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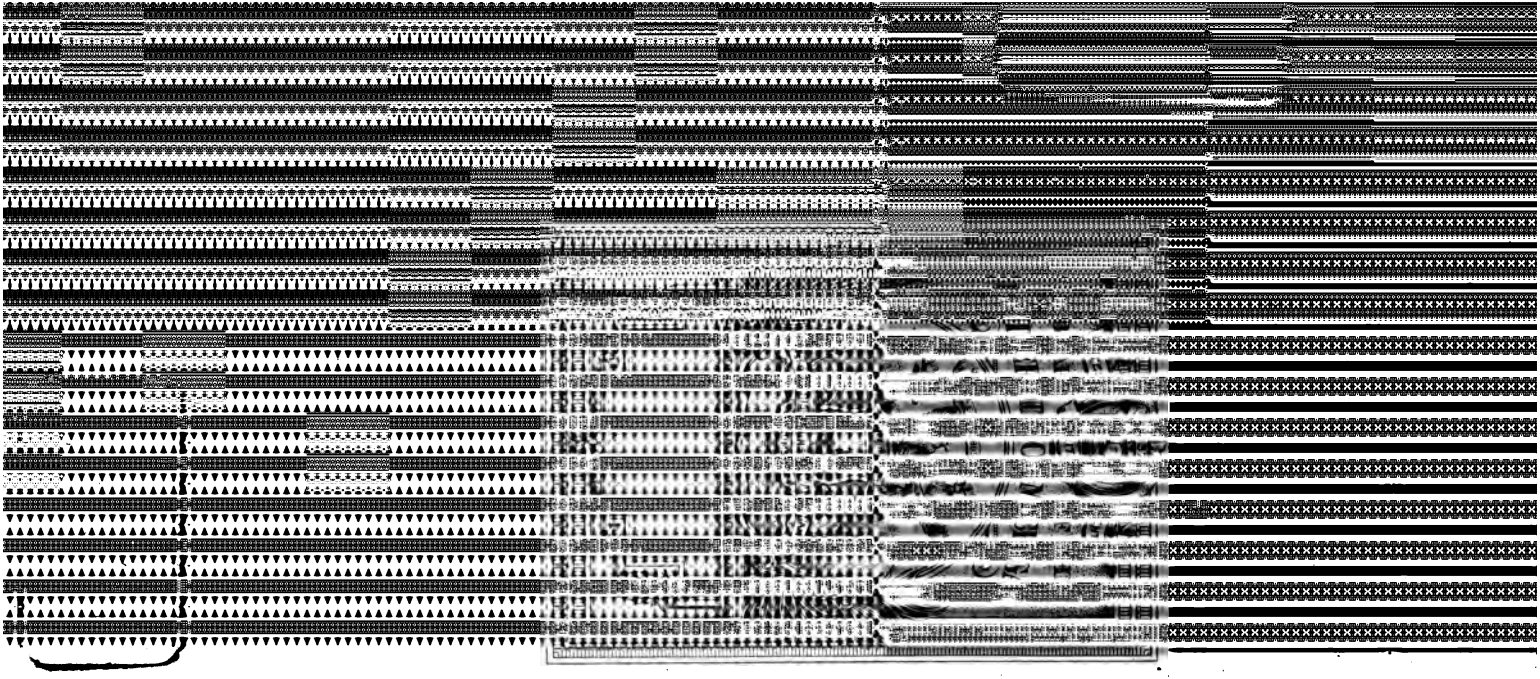

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## OFFICE HOURS.

THE TREASURER OF THE UNIVERSITY.—University Offices, 9 a. m. to 1 p. m., 2.30 to 4 p. m.; Wednesdays and Saturdays 9 a. m. to 12 m.; July 1 to September 1, 9 a. m. to 12 m.

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THE SECRETARY OF THE UNIVERSITY.—Chancellor Green Library, 10 a. m. to 12 m.

THE CURATOR OF GROUNDS AND BUILDINGS.—University Offices, 12 m. to 1 p. m. daily.

THE GRADUATE SCHOOL.—The Dean, Chancellor Green Library, 10 to 11 a. m. daily.

THE ACADEMIC DEPARTMENT. — The Dean, Dean's House, 9 a. m. to 12 m. Mondays and Tuesdays, 2 to 3 p. m. and after 7 p. m. daily.

THE JOHN C. GREEN SCHOOL OF SCIENCE.—Prof. Rockwood, Clerk, 6 and 7 School of Science Building, 12 m. to 1 p. m., Tuesday and Thursdays.

THE COMMITTEE ON ATTENDANCE meets at noon on Wednesday. Requests and excuses for absence should be presented by the student in person.

THE UNIVERSITY FACULTY meets at 5 o'clock on the Wednesday on or before the seventh day before a meeting of the Board of Trustees ; on the first Wednesday of the first term ; on the last Wednesday in April.

THE ACADEMIC FACULTY meets on the first and third, and the SCHOOL OF SCIENCE FACULTY on the second and fourth Wednesdays of the month during term time; these meeting are at 5 o'clock, except when a University Faculty meeting occurs on the same day, when the meeting of the Academic and School of Science Faculty is at 4 o'clock.

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For Catalogues of Princeton University apply to C. W. McAlpin, Secretary of the University, Princeton, New Jersey.

For information concerning Entrance and Courses of Instruction apply to H. N. VanDyke, Registrar of the University, Princeton, New Jersey.

# CALENDAR.

## 1901.

*Sept. 17, 18.* Examinations for admission, and the removal of entrance conditions, in Princeton only.

*Sept. 18.* First term begins—University assembles at 3 p. m. in Marquand Chapel.

*Sept. 23–28.* Examinations for removal of first and second term conditions.

*Sept. 25.* Preliminary examinations of candidates for Doctor's degrees.

*Oct. 22.* Commemoration Day.

*Oct. 28–Nov. 2.* Second opportunity for removal of second term conditions.

*Nov. 28.* Thanksgiving Day.

*Dec. 12.* Meeting of the Board of Trustees.

*Dec. 21, 12.30 P. M.* Christmas vacation begins.

## 1902.

*Jan. 6.* Christmas vacation ends.

*Jan. 13–18.* Examinations for removal of entrance conditions.

*Feb. 5.* First term examinations end.

*Feb. 6.* Second term begins.

*Feb. 22.* Washington's Birthday.

*Mar. 13.* Meeting of the Board of Trustees.

*Mar. 10–15.* Examinations for removal of first term conditions.

*Mar. 27, 12.30 P. M.–Apr. 1, 11 A. M.* Spring Recess.

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|---|---|
| *Apr. 7–12.* | Examinations for removal of entrance conditions. |
| *May 21, 12 M.* | Meeting of the Faculty Committee on Schedule of Studies. |
| *May 24.* | End of Senior final examinations. |
| *June 6.* | End of examinations of the three lower classes. |
| *June 7.* | Junior Orator and Maclean Prize contests. |
| *June 8.* | Baccalaureate Sunday. |
| *June 9–11.* | Commencement meeting of the Board of Trustees. |
| *June 9.* | Class Day. |
| *June 10.* | Annual meeting of Literary Societies and Alumni Association — Lynde Prize Debate. |
| *June 10.* | Election of Alumni Trustee. |
| *June 11.* | 155th Annual Commencement. |
| *June 12, 13.* | Examinations for admission, held simultaneously in Princeton and elsewhere. |
| *Sept. 16, 17.* | Examinations for admission, and the removal of entrance conditions in Princeton only. |
| *Sept. 17.* | First term begins. |
| *Sept. 22–27.* | Examinations for removal of first and second term conditions. |
| *Sept. 24.* | Preliminary examinations of candidates for Doctor's degree. |
| *Oct. 21.* | Meeting of the Board of Trustees. |
| *Oct. 22.* | Commemoration Day. |
| *Oct. 27–Nov. 1.* | Second opportunity for removal of second term conditions. |
| *Nov. 27.* | Thanksgiving Day. |
| *Dec. 11.* | Meeting of the Board of Trustees. |
| *Dec. 24, 12.30 P. M.* | Christmas vacation begins |

## 03.

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| *Jan. 7.* | Christmas vacation ends. |
| *Jan. 12–17.* | Examinations for removal of entrance conditions. |
| *Feb. 4.* | First term examinations end. |
| *Feb. 5.* | Second term begins. |
| *Feb. 22.* | Washington's Birthday. |
| *Mar. 12.* | Meeting of the Board of Trustees. |
| *Mar. 9–14.* | Examinations for removal of first term conditions. |
| *Apr. 9, 12.30 P. M.–Apr. 14, 11 A. M.* | Spring Recess. |
| *Apr. 20–25.* | Examinations for removal of entrance conditions. |
| *May 20, 12 M.* | Meeting of the Faculty Committee on Schedule of Studies. |
| *May 23.* | End of Senior final examinations. |
| *June 5.* | End of examinations of the three lower classes. |
| *June 6.* | Junior Orator and Maclean Prize contests. |
| *June 8–10.* | Commencement meeting of the Board of Trustees. |
| *June 9.* | Election of Alumni Trustee. |
| *June 10.* | 156th Annual Commencement. |

FACULTY MEETINGS, 1901–1902:

*Wednesdays at 5 o'clock.*

UNIVERSITY FACULTY, Sept. 18 (4 P. M.), Oct. 9, Dec. 4, Mar. 5, Apr. 30, May 28, June 4.

ACADEMIC FACULTY, Sept. 18, Oct. 2, 16, Nov. 6, 20, Dec. 4 (4 P. M.), 18, Jan. 15, Feb. 5, 19, Mar. 5 (4 P. M.), 19, Apr. 2, 16, May 7, 21, June 4 (4 P. M.)

SCHOOL OF SCIENCE FACULTY, Sept. 25, Oct. 9 (4 P. M.), 23, Nov. 13, 27, Dec. 11, Jan. 8, 22, Feb. 12, 26, Mar. 12, 26, Apr. 9, 23, May 14, 28 (4. M.)

## JULY, 1901

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## JUNE, 1903

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*Died September 24, 1901.

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*Committee on the Graduate School.*

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*Committee on Faculty Minutes.*

GEORGE B. STEWART, D.D., Chairman.

---

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Morven.

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239 Nassau St.

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40 Bayard Lane.

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16 Prospect Ave.

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66 Nassau St.

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34 Bayard Lane.

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48 Library Place.

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83 Bayard Lane.

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DEAN OF THE FACULTY,
Professor of Greek and Instructor in Sanskrit.
73 Nassau St.

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20 Bayard Lane.

WILLIAM BERRYMAN SCOTT, PH.D., Heidelberg,
Blair Professor of Geology.
56 Bayard Lane.

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Stony Brook.

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Professor of the History of Art.
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Juniors, C.E., . PROFESSOR SMITH, 4 East Witherspoon Hall.
Sophomores, C.E., PROFESSOR HARRIS, 280 Nassau Street.
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PROFESSOR ROCKWOOD, 34 Bayard Lane.

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Chancellor Green Fellow in Mental Science.

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CLARK SILLIMAN JUDD, A.B., 13 Little Hall

Boudinot Fellow in History.

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E. M. Biological Fellow.

LEE BYRNE, PH.D., 11 North Edwards Hall

University Fellow in Archaeology.

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* No Fellow.

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The Class of 1877 University Fellow in Biology.

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The South East Club University Fellow in Social Science.

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Thaw Fellow in Astronomy.

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Charles Scribner University Fellow in English.

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Special Fellow in History and Archaeology.

ADAM MARION MILLER, A.B., 43 University Hall

Special Fellow in Biology.

HOWELL NORTH WHITE, A.B., 13 Little Hall

Special Fellow in Latin.

# PART II

# GOVERNMENT OF THE UNIVERSITY

# GOVERNMENT OF THE UNIVERSITY.

The College of New Jersey, now known as Princeton University, was founded October 22d, 1746, as is seen from the following:

EXTRACTS FROM THE RECORDS OF THE PROVINCE OF NEW JERSEY.

A Charter to Incorporate Sundry Persons to found a College pass'd the Great Seal of this Province of New Jersey, Tested by John Hamilton, Esq., President of His Majesty's Council, and Commander in Chief of the Province of New Jersey, the 22d October, 1746.

The nature of this charter can be seen from the following introductory portion of a "Notice" printed in two Philadelphia journals at that time:

THESE ARE TO GIVE NOTICE TO ALL CONCERNED.—That by His Majesty's Royal Charter for erecting a College in New Jersey, for the instruction of youth in the learned Languages and in the liberal Arts and Sciences, bearing date October 22d, 1746, Messrs. William Smith [and others] are appointed Trustees of the said College * * * * Which Trustees are by the said Charter constituted a body corporate and politick, both in fact and name, with full power to act as such to all intents and purposes, and rendered capable of a perpetual succession to continue for ever. * * * *

A second and more ample charter, granted September 14th, 1748, is as follows:

## CHARTER OF THE TRUSTEES OF THE COLLEGE OF NEW JERSEY.

**George the Second by the Grace of God** of Great Britain France and Ireland King Defender of the Faith etc. TO ALL TO

WHOM these presents shall come GREETING. WHEREAS sundry of our loving Subjects, well disposed and publick spirited Persons, have lately by their humble petition, presented to our trusty and well beloved Jonathan Belcher Esquire Governor and Commander in Chief of our province of New Jersey in America, represented the great Necessity of comeing into some Method for encouraging and promoting a learned Education of our Youth in New Jersey, and have expressed their earnest Desire that a College may be erected in our said province of New Jersey in America, for the Benefit of the Inhabitants of the said Province and others, wherein Youth may be instructed in the learned Languages, and in the liberal Arts and Sciences. AND WHEREAS by the fundamental Concessions made at the first Settlement of New Jersey by the Lord Berkeley and Sir George Carteret then proprietors thereof, and granted under their Hands and the seal of the Said Province, bearing Date the Tenth Day of February in the Year of our Lord one thousand six hundred and Sixty four, it was, among other things conceded and agreed that "no Freeman within the said Province of New Jersey should at any time be molested, punished, disquieted, or called in Question for any difference in Opinion or Practice in Matters of religious Government, who do not actually disturb the civil peace of the said province, but that all and every such Person or Persons might from time to time and at all times thereafter freely and fully have and enjoy his and their judgments and Consciences, in Matters of Religion throughout the said Province they behaveing themselves peaceable and quietly and not using this Liberty to Licentiousness, nor to the civil Injury or outward disturbance of others." As by the said Concessions on Record in the Secretary's Office of New Jersey at Perth Amboy in Lib. 3 Folio 66 &c, may appear. WHEREFORE, and for that the said Petitioners have also expressed their earnest Desire that those of every religious Denomination may have free and equal Liberty and Advantages of Education in the said College, any different Sentiments in Religion notwithstanding: WE being, willing to grant the reasonable Request and Prayers of all our loving Subjects and to promote a liberal and learned Education among them. KNOW YE THEREFORE THAT WE, considering the Premises, and being willing for the future that the best Means of Education be established in our said Province of New Jersey for the Benefit and Advantage of

the Inhabitants of our said Province and others; DO, of our special Grace certain Knowledge and mere Motion, by these Presents will, ordain, grant and constitute, that there be a College erected in our said Province of New Jersey, for the Education of Youth in the learned Languages and in the liberal Arts and Sciences, and that the Trustees of the Said College and their Successors for ever may and shall be one Body Corporate and politick in Deed Action and Name, and Shall be called and named, and distinguished by the Name of THE TRUSTEES OF THE COLLEGE OF NEW JERSEY. AND further, wee have willed given granted constituted and appointed, And this by our present CHARTER of our special Grace, certain Knowledge and mere Motion, WE DO, for us our Heirs and Successors, will, give, grant, constitute and ordain that there shall in the said College from henceforth for ever be a Body politick, consisting of Trustees of the said College of New Jersey. AND, for the more full and perfect Erection of the said Corporation and Body Politick consisting of Trustees of the College of New Jersey WE of our especial Grace, certain Knowledge and mere Motion, DO by these presents for us our Heirs and Successors create, make, ordain, constitute nominate, and appoint the Governor, and Commander in Chief of our said Province of New Jersey for the Time being, and also our trusty and well beloved John Reading, James Hude, Andrew Johnston, Thomas Leonard, John Kinsey, Edward Shippen, and William Smith Esquires, Peter Van Brugh Livingston, William Peartree Smith and Samuel Hazard Gentlemen, John Pierson, Ebenezer Pemberton, Joseph Lamb, Gilbert Tennent, William Tennent, Richard Treat, Samuel Blair, David Cowel, Aaron Burr, Timothy Jones, Thomas Arthur, Jacob Green, Ministers of the Gospel, to be Trustees of the said College of New Jersey. [Repealed clause relative to oaths omitted.] THAT no Meeting of the Trustees Shall be Valid or legal for doing any Business whatsoever unless the Clerk has duly and legally notified each and every Member of the Corporation, of such Meeting, and that before the entering on any Business the Clerk shall certify such Notification under his Hand to the Board of Trustees. THAT the said Trustees have full Power and Authority, or any thirteen [number changed] or greater Number of them, to elect nominate and appoint, and associate unto them any Number of Persons as Trustees, upon any Vacancy, so that the whole number of

the Trustees exceed not twenty-three [altered to twenty-seven], whereof the president of the said College for the Time being to be chosen as hereafter mentioned, to be one, and twelve of the Said Trustees to be always Such persons as are Inhabitants of our said Province of New Jersey. AND WE DO FURTHER of our especial Grace, certain Knowledge, and meer Motion, for us our Heirs and Successors, will, give grant, and appoint, that the said Trustees and their Successors shall for ever here after be, in Deed, Fact, and Name a Body Corporate and Politick, and that they the said Body Corporate and Politick Shall be known and distinguished in all Deeds, Grants, Bargains, Sales, Writings, Evidences, Muniments, or otherwise howsoever, and, in all Courts for ever hereafter, plead and be impleaded by the Name of the Trustees of the College of New Jersey. AND that they the said Corporation, by the Name aforesaid, Shall be able, and in Law capable, for the use of the said College to have, get, acquire, purchase, receive, and possess Lands, Tenements, Hereditaments, Jurisdictions and Franchises for themselves, and their Successors, in Fee Simple or otherwise howsoever; AND to purchase receive or build any House or Houses, or any Other Buildings as they Shall think needfull or convenient for the Use of the Said College of New Jersey, and in such Place or places in New Jersey, as they the said Trustees shall agree upon. AND also to receive and dispose of any Goods, Chattles and other things of what Nature soever for the Use aforesaid, and receive any Rents, Profits, Annuities, Gifts, Legacies, Donations, and Bequests of any kind whatsoever for the Use aforesaid, so nevertheless the yearly clear Value of the Premises do not exceed the sum of two thousand Pounds Sterling [amount changed]. AND therewith or otherwise to support and pay (as the said Trustees and their Successors or the major Part of such of them as (according to the Provision herein afterwards) are regularly convened for that purpose shall agree and see Cause) the President, Tutors, and other Officers or Minister of the said College, their respective annual Salaries or Allowance and all such other necessary and contingent Charges as from time to time Shall arise and accrue relating to the Said College. AND also to grant, bargain, Sell, let, set, or assign, Lands Tenements, or Hereditaments Goods or Chattles, contract or do all other things whatsoever, by the Name aforesaid and for the Use aforesaid, in as full and ample Manner to all Intents and Purposes, as any natural Person

or other Body Politick or Corporate is able to do, by the Laws of our Realm of Great Britain or of our said Province of New Jersey. AND OF OUR FURTHER Grace, certain Knowledge, and meer Motion, to the Intent that our said Corporation and Body Politick may answer the end of their Erection and Constitution, and may have perpetual Succession and continue for ever. We do for us our Heirs and Successors hereby will, give, and grant unto the said Trustees of the College of New Jersey, and to their Successors for ever, that when Any thirteen [number changed, and so below wherever thirteen stands] of the said Trustees or of their Successors are convened and met together as aforesaid for the Service of the said College, the Governor and Commander in Chief of our said Province of New Jersey, and in his Absence the President of the said College, and in the absence of the said Governor and President, the eldest Trustee present at such Meeting, from time to time, Shall be president of the said Trustees at all their Meetings, and at any time or times such thirteen Trustees convened and met as aforesaid Shall be capable to act as fully and amply to all Intents and Purposes, as if all the Trustees of the said College were personally present. PROVIDED always that a Majority of the said thirteen Trustees be of the said Province of New Jersey, except, after regular Notice they fail of coming, in which Case those that are present are hereby impowered to act, the different place of their Abode notwithstanding, and all affairs and Actions whatsoever under the Care of the said Trustees shall be determined by the Majority or greater Number of those thirteen so convened and met together, the President whereof shall have no more than a single vote. AND WE DO for us our Heirs and Successors hereby will, give, and grant full Power and Authority to any six or more of the said Trustees to call Meetings of the said Trustees from time to time and to order Notice to the said Trustees of the Times and Places of Meeting for the Service aforesaid. AND ALSO WE DO hereby for us our Heirs and Successors, will, give, and grant to the said Trustees of the College of New Jersey, and to their Successors for ever, that the Said Trustees, do elect nominate, and appoint such a qualified Person as they or a major Part of any thirteen of them, convened for that purpose as above directed, Shall think fit, to be the President of the said College, and to have the immediate Care of the Education and Government of such Students

as shall be sent to, and admitted into the said College for Instruction and Education. AND ALSO that the said Trustees do elect nominate and appoint so many Tutors and Professors to assist the President of the said College, in the Education and Government of the Students belonging to it, as they the said Trustees or their Successors or the major part of any thirteen of them, which shall convene for that purpose as above directed, Shall from time to time and at any time hereafter think needful and serviceable to the Interests of the said College.

AND ALSO THAT THE SAID TRUSTEES AND THEIR SUCCESSORS, or the major Part of any thirteen of them, which shall convene for that purpose as above directed, Shall at any time displace and discharge from the Service of the said College, such President Tutors and Professors, and to elect others in their Room and Stead AND ALSO that the said Trustees or their Successors, or the major Part of any thirteen of them which Shall convene for that Purpose as above directed, do from time to time as occasion Shall require, elect, constitute and appoint a Treasurer, a Clerk, an Usher, and a Steward for the said College, and appoint to them and each of them their respective Business and Trusts, and displace and discharge, from the Service of said College, such Treasurer, Clerk, Usher, or Steward, and to elect others in their Room and Stead, which President, Tutors, Professors, Treasurer, Clerk, Usher, and Steward, so elected and appointed, WE DO for us our Heirs and Successors, by these Presents constitute and establish in their several Offices, and do give them and Ivery of them full Power and Authority to exercise the same in the said College of New Jersey, according to the Direction and during the Pleasure of the said Trustees, as fully and freely as any other the like Officers in our Universities or any of our Colleges in our Realm of Great Britain lawfully may and ought to do. AND ALSO that the said Trustees and their Successors or the major Part of any thirteen of them, which shall convene for that Purpose as above directed, as often as one or more of the said Trustees Shall happen to dye, or by removal or Otherwise Shall become unfit or uncapable according to their Judgment to serve the Interest of the said College, do, as soon as conveniently may be after the Death, Removal, or such Unfitness or Incapacity of such Trustee or Trustees to serve the Interest of the said College, elect and appoint such

other Trustee or Trustees as shall supply the place of him or them so dying, or Otherwise becoming unfit or uncapable to serve the Interest of the said College; and every Trustee so elected and appointed, Shall by Vertue of these presents and of such Election and Appointment be vested with all the Power and Privileges which any of the other Trustees of the said College are hereby invested with, AND WE DO FURTHER of our especial Grace, certain Knowledge and meer Motion, will, give, and grant, and by these Presents do, for us our Heirs and Successors, will, give, and grant, unto the said Trustees of the College of New Jersey, that they and their Successors, or the major Part of any thirteen of them, which Shall convene for that Purpose, as above directed, may make, and they are hereby fully impowered from Time to Time, freely and lawfully to make and establish such Ordinances, Orders, and Laws, as may tend to the good and wholesome Government of the said College, and all the Students and the several officers and Ministers thereof, and to the public Benefit of the same, not repugnant to the Laws and Statutes of our Realm of Great Britain or of this our Province of New Jersey, and not excluding any Person of any religious Denomination, whatsoever from free and equal Liberty and Advantage of Education, or from any of the Liberties Priviliges or Immunities of the said College on Account of his or their being of a religious profession different from the said Trustees of the said College, and Such Ordinances, Orders, and Laws, which Shall be so as aforesaid made, WE DO by these Presents for us our Heirs and Successors ratify, allow of, and confirm as good and effectual to oblige and bind all the said Students, and the several Officers and Ministers of the said College, AND WE DO hereby authorize and impower the said Trustees of the College, and the President, Tutors and Professors by them elected and appointed to put such Ordinances and Laws in Execution to all Proper Intents and Purposes. AND WE DO FURTHER of our especial Grace, certain Knowledge, and meer Motion, will, give, and grant, unto the said Trustees of the College of New Jersey that for the Encouragement of Learning and animating the Students of the said College to Diligence Industry and a laudable Progress in Literature, that they and their Successors, or the major Part of any thirteen of them convened for that Purpose as above directed, do, by the President of the said College for the time being or by any other

deputed by them give and grant any such Degree and Degrees to any of the Students of the said College, or to any others by them thought worthy thereof as are usually granted in either of our Universities or any other College in our Realm of Great Britain, and that they do sign and seal Diplomas or Certificates of such Graduations to be kept by the Graduates as Perpetual Memorials or Testimonials thereof. AND FURTHER of our especial Grace, certain Knowedge, and meer Motion, WE DO by these Presents for us our Heirs and Successors give and grant unto the Said Trustees of the College of New Jersey and to their Successors, that they and their Successors Shall have a common Seal under which they may pass all Diplomas and Certificates of Degrees, and all other the Affairs and Business of and concerning the said Corporation, or of and concerning the said College of New Jersey, which shall be engraven in Such Form and with such Inscription as Shall be devised by the said Trustees of the said College, or the major Part of any thirteen of them, convened for the Service of the said College as above directed. AND WE DO FURTHER for us our Heirs and Successors give and grant unto the said Trustees of the College of New Jersey and their Successors, or the major Part of any thirteen of them, convened for the Service of the College as above directed, full Power and Authority from time to time to nominate and appoint all other inferior Officers and Ministers which they shall think to be convenient and necessary for the Use of the College, not herein particularly named, or mentioned, and which are accustomary in our Universities, or in any of our Colleges in our Realm of Great Britain, which Officers or Ministers we do hereby impower to execute their Offices or Trusts as fully and freely as any other the like officers or Ministers in any of our Universities, or any other College in our Realm of Great Britain lawfully may or ought to do.

AND LASTLY our express Will and Pleasure is, and we do by these Presents for us our Heirs and Successors, give and grant unto the said Trustees of the College of New Jersey, and to their Successors forever, that these our Letters Patent or the Enrollment thereof shall be good and effectual in the Law to all Intents and Purposes, against us our Heirs and Successors, without any other License, Grant, or Confirmation, from us our Heirs and Successors hereafter by the said Trustees to be had or obtained; Notwithstanding the not recit-

ing or Misrecital, or not naming or mis-naming of the aforesaid Offices, Franchises, Privileges, Immunities, or other the Premises or any of them, and notwithstanding a Writ of Ad quod Damnum hath not issued forth to enquire of the premises or any of them, before the ensealing hereof; Any Statute, Act, Ordinance or Provision, or any other Matter or thing to the contrary notwithstanding. TO have hold and enjoy all the singular the Priviliges, Advantages. Liberties, Immunities, and all other the Premises herein and hereby granted and given or which are meant mentioned or intended to be herein and hereby given and granted unto them the said Trustees of the said College of New Jersey and to their Successors forever. IN TESTIMONY whereof We have caused these our Letters to be made Patent, and the Great Seal of our said Province of New Jersey to be hereunto affixed. WITNESS our trusty and well beloved JONATHAN BELCHER Esquire Governor and Commander in Chief of our said Province of New Jersey this fourteenth day of September in the twenty second Year of our Reign, and in the Year of our Lord one thousand seven hundred and forty eight.

I have perused and Considered the within Charter of Incorporation, and find nothing Contained therein Inconsistent with his Majesty's Interest or the Honor of the Crown.

J. WARRELL, *At Genll.*

September ye 13th. 1748.—This charter having been read in Council was consented to and approved of.

CHA. READ, *Cl. Con.*

Lett the Great Seal of the Province of New Jersey be Affixed to this Charter.

J. BELCHER.

To the Secretary of the Province of New Jersey.

After the War of the Revolution, this charter was confirmed and renewed by the Legislature of New Jersey.

On April 27th, 1747, the Trustees made a public announcement that the College would be opened in the fourth

week of May at Elizabethtown. The same year the College was removed from Elizabethtown to Newark. Soon after, it was removed from Newark to Princeton, where, in 1754-55, the first college building, Nassau Hall, was erected. The Presidents have been the Rev. Jonathan Dickinson, 1747; the Rev. Aaron Burr, 1748-57; the Rev. Jonathan Edwards, 1757-58; the Rev. Samuel Davies, 1759-61; Samuel Finley, D.D., 1761-66; John Witherspoon, D.D., LL.D., 1768-94; Samuel Stanhope Smith, D.D., LL.D., 1795-1812; Ashbel Green, D.D., LL.D., 1812-22; James Carnahan, D.D., LL.D., 1823-54; John Maclean, D.D., LL.D., 1854-68; James McCosh, D.D., LL.D., Litt. D., 1868-88; Francis Landey Patton, D.D., LL.D., 1888—

The course of instruction in the College continued to be exclusively that based upon the classical languages and leading to the degree of Bachelor of Arts, until the founding of the School of Science in 1873, upon an endowment of Mr. John C. Green, when the degree of Bachelor of Science was also offered. That part of the College in which work was done under the old curriculum was then styled the Academic Department.

The Department of Civil Engineering was added in 1875, and the Department of Electrical Engineering was added in 1889, by further endowment from the residuary legatees of Mr. Green.

In connection with the Graduate Department, organized in 1877 and created as a separate school in 1901, instruction is given to those who hold their first degrees, particularly to those who are proceeding to the degrees of Master of Arts, Master of Science, Doctor of Philosophy, and Doctor of Science.

In October, 1896, the 150th Anniversary of the signing of the first charter of the College of New Jersey was celebrated; on the anniversary day, October 22, 1896, the title of Princeton University was assumed.

In 1900 a plan for Alumni Representation in the Board of Trustees was adopted. By this plan five Trustees were added to the Board, who hold office for five years (except those elected at the first election on June 11th, 1901) and are known as "Alumni Trustees"; one Trustee is elected yearly. No one is eligible for election as an Alumni Trustee excepting a graduate of Princeton University of not less than ten years' standing; all graduates of Princeton University of three years' standing who duly enroll are entitled to vote for Alumni Trustees. Nominations are made each year between the first day of January and the first day of April: the election takes place in Princeton on Tuesday of Commencement week, and votes may be cast either in person or by mail.

The title of the Corporation as now constituted is The Trustees of Princeton University.

# PART III

# DEPARTMENTS OF THE UNIVERSITY

# ACADEMIC DEPARTMENT.

## FACULTY.

FRANCIS LANDEY PATTON, D.D., LL.D., *President, Stuart Professor of Ethics and the Philosophy of Religion.*

SAMUEL ROSS WINANS, PH.D., *Dean of the Faculty, Professor of Greek and Instructor in Sanskrit.*

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HENRY CLAY CAMERON, PH.D., D.D., *Professor of Greek Language and Literature.*

CHARLES WOODRUFF SHIELDS, D.D., LL.D., *Professor of the Harmony of Science and Revealed Religion.*

WILLIAM ALFRED PACKARD, PH.D., D.D., *Kennedy Professor of Latin Language and Literature and the Science of Language.*

CHARLES AUGUSTUS YOUNG, PH.D., LL.D., *Professor of Astronomy.*

S. STANHOPE ORRIS, PH.D., L.H.D., *Ewing Professor of Greek. Language and Literature and Instructor in Greek Philosophy.*

THEODORE WHITEFIELD HUNT, PH.D., L.H.D., *Professor of English Language and Literature.*

GEORGE LANSING RAYMOND, L.H.D., *Professor of Aesthetics.*

WILLIAM LIBBEY, D.SC., *Professor of Physical Geography.*

WILLIAM BERRYMAN SCOTT, PH.D., *Blair Professor of Geology.*

WILLIAM COWPER PRIME, LL.D., *Professor of the History of Art.*

ALLAN MARQUAND, PH.D., L.H.D., *Professor of Archaeology and the History of Art.*

ANDREW FLEMING WEST, PH.D., LL.D., *Giger Professor of Latin.*

ALEXANDER THOMAS ORMOND, PH.D., LL.D., *McCosh Professor of Philosophy.*

ARTHUR LINCOLN FROTHINGHAM, JR., PH.D., *Professor of Ancient History and Archaeology.*

HENRY BURCHARD FINE, PH.D., *Dod Professor of Mathematics.*

JOHN HOWELL WESTCOTT, PH.D., *Musgrave Professor of Latin and Tutor in Roman Law.*

WOODROW WILSON, PH.D., LITT.D., LL.D., *McCormick Professor of Jurisprudence and Politics.*

WILLIAM FRANCIS MAGIE, PH.D., *Professor of Physics.*

JAMES MARK BALDWIN, PH.D., HON. D.SC. (OXON), LL.D., *Stuart Professor of Psychology.*

HENRY DALLAS THOMPSON, D.SC., PH.D., *Professor of Mathematics.*

GEORGE MCLEAN HARPER, PH.D., *Holmes Professor of Belles Lettres and English Language and Literature.*

WINTHROP MORE DANIELS, A.M., *Professor of Political Economy.*

JOHN GRIER HIBBEN, PH.D., *Stuart Professor of Logic.*

WILLARD HUMPHREYS, PH.D., *Professor of German Language and Literature.*

ARNOLD GUYOT CAMERON, PH.D., *Woodhull Professor of French.*

PAUL VAN DYKE, D.D., *Professor of History.*

HENRY VAN DYKE, D.D., LL.D., *Murray Professor of English Literature.*

JOHN HUSTON FINLEY, LL.D., *Professor of Politics.*

GEORGE STEVENSON PATTON, A.M., *Assistant Professor of Moral Philosophy.*

HOWARD CROSBY WARREN, A.M., *Assistant Professor of Experimental Psychology.*

EDMUND YARD ROBBINS, A.M., *Assistant Professor of Greek.*

WILLIAMSON UPDIKE VREELAND, D. ÈS L., *Assistant Professor of Romance Languages.*

JOHN HAUGHTON CONEY, A.M., *Assistant Professor of History.*

JOHN PRESTON HOSKINS, PH.D., *Assistant Professor of German.*

HARRY FRANKLIN COVINGTON, A.M., *Assistant Professor of Oratory.*

JESSE BENEDICT CARTER, PH.D., *Assistant Professor of Latin.*

ULRIC DAHLGREN, A.B., M.S., *Assistant Professor of Histology.*

STOCKTON AXSON, A.M., *Assistant Professor of English.*

WILLIAM KELLY PRENTICE, PH.D., *Assistant Professor of Greek.*

ROBERT MCNUTT MCELROY, PH.D., *Assistant Professor of American History.*

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## ADDITIONAL INSTRUCTORS.

ALBERT HARRIS WILSON, M.S., *Instructor in Mathematics.*

WILLIAM GILLESPIE, PH.D., *Instructor in Mathematics.*

BAYARD TUCKERMAN, A.B., *Lecturer on English Literature.*

JACOB NEWMAN BEAM, A.M., *Instructor in German.*

DAVID MAGIE, JR., A.M., *Instructor in Latin.*

PERCY ROBERT COLWELL, A.M., *Instructor in English.*

MARCUS STULTS FARR, D.SC., *Assistant in Geology.*

WILLIAM FOSTER, JR., PH.D., *Instructor in General Chemistry.*

LUTHER PFAHLER EISENHART, PH.D., *Instructor in Mathematics.*

RICHARD FREDERIC LOT RIDGWAY, A.B., *Instructor in Greek.*

LOUIS HERBERT GRAY, PH.D., *Instructor in Indo-Iranian.*

ARNOLD EDWARD ORTMANN, PH.D., *Assistant in Physical Geography.*

LAURENCE HUTTON, A.M., *Lecturer on English Literature.*

HARDIN CRAIG, PH.D., *Instructor in English.*

DAVID LAURENCE CHAMBERS, A.M., *Instructor in English.*

EDWARD GLASSMEYER, A.B., *Instructor in Greek.*

CHARLES WILLIAM LEVERETT JOHNSON, PH.D., *Instructor in Latin.*

NATHAN WILBUR HELM, A.M., *Instructor in Latin.*

HERBERT DOUGLAS AUSTIN, A.M., *Instructor in Latin and Italian.*

ENNO LITTMANN, PH.D., *Instructor in Semitic Philology.*

HOWARD CROSBY BUTLER, A.M., *Lecturer on Architecture.*

CLAUDE SILBERT HUDSON, B.S., *Assistant in Analytical Chemistry.*

WILLIAM JAMES SHAW, A.M., *Demonstrator in Experimental Psychology.*

# TERMS OF ADMISSION.

## ENTRANCE EXAMINATIONS.

All candidates for examination in Princeton must report at the Faculty Room in the University Offices the evening before the examination begins or on their arrival the following morning. Examinations for admission will be written, with supplementary oral examinations if needed. The first examination will begin in Princeton, on Thursday, June 12th, 1902, at 9 A. M. The second will begin on Tuesday, September 16th, 1902, at 9 A. M. Applicants who have any conditions or other deficiencies from the June examination are required to remove them at the September examination. *Attendance is required at the beginning of the examinations.*

Simultaneously with the June entrance examinations in Princeton, examinations will also be held in the cities of New York, Philadelphia, Pittsburgh, Albany, Buffalo, Chicago, Cincinnati, Cleveland, Columbus, Denver, Des Moines, Erie, Harrisburg, Indianapolis, Kansas City, Louisville, Newark, Omaha, Portland, Ore., St. Louis, St. Paul, San Antonio, Scranton, Syracuse, Washington, Wilkes-Barre; and at preparatory schools and other cities when necessary. The places in which the examinations are to be held can be learned by application to the Registrar. Due notice of these examinations will also be published in leading local newspapers for several weeks in advance.

Examinations at other times and places than those specified are inconvenient and often impracticable, and applicants for examination on other than the regular days must obtain previous permission by writing to the Registrar, and are required to pay $10 into the treasury.

All candidates for admission to any class, or as special students, must bring with them testimonials of good moral character, preferably from their last instructors, and if the candidate has been a member of another college or university, he must produce a certificate from its President or Faculty that he is free from censure in that institution.

Each applicant for admission should be provided with a statement, signed by his teacher, as to his fitness to be examined in each of the subjects specified in the following list which he offers. The statement is merely for the information of the examiners, and is in no sense an admission certificate.

No candidate is admitted into the Undergraduate Department without examination and a vote of the Faculty.

### PRELIMINARY EXAMINATIONS.

At the examinations in June and September, candidates intending to enter the Freshman class one year later are admitted to examination in a portion of the subjects required for entrance. Certificates as to preparation in the subjects in which the candidate wishes to be examined should be presented.

### FRESHMAN ENTRANCE REQUIREMENTS.

Candidates for admission to the Freshman class will be examined in the books and subjects detailed below. It is recommended that candidates be prepared for examination on the requirements as specified, but equivalents will be accepted.

In the subjoined list of subjects, the following constitute the minimum requirements which are expected of all candidates; **1, 2, 3, 4, 5, 6; 12, 13, 14, 16** (or **15** or **17**); **20** (or **21**); **24, 25, 26, 27.**

Candidates who pass satisfactorily in certain of the other subjects, in addition to those enumerated above, may in this

way secure advanced standing of the start in one or all of the subjects of instruction of the Freshman year. The requirements for advanced standing in each department are as follows ;

In Latin: Two or more of **7, 8, 9, 10, 11** (one to be **7, 8** or **9**).

In Greek: Two or more of **15, 16, 17, 18, 19** (one to be **15, 16** or **17**, excluding the one offered as part of the minimum requirements).

In French: **22.** To be offered only by candidates offering **20.**

In German: **23.** To be offered only by candidates offering **21.**

In Mathematics: One and but one of **28, 29.**

1. *English.* The examination will be based upon the books prescribed by the uniform entrance requirements in English. Questions as to the subject matter, structure, and style of these books will be asked. Candidates must be prepared in all of the books required for the year of entrance.

For 1902 the books prescribed are:

*a.* For reading, *Shakespeare's* Merchant of Venice, *Pope's* Iliad, Books I, VI, XXII, and XXIV, the Sir Roger de Coverley Papers in the Spectator, *Goldsmith's* The Vicar of Wakefield, *Coleridge's* The Ancient Mariner, *Scott's* Ivanhoe, *Cooper's* The Last of the Mohicans, *Tennyson's* The Princess, *Lowell's* The Vision of Sir Launfal, *George Eliot's* Silas Marner.

*b.* For careful study, *Shakespeare's* Macbeth; *Milton's* Lycidas, Comus, L'Allegro, and Il Penseroso, *Burke's* Speech on Conciliation with America, *Macaulay's* Essays on Milton and Addison.

For 1903, 1904, 1905 the books prescribed are:

*a.* For reading, *Shakespeare's* The Merchant of Venice and Julius Cæsar, The Sir Roger de Coverley Papers in The Spectator, *Goldsmith's* The Vicar of Wakefield, *Coleridge's*

The Ancient Mariner, *Scott's* Ivanhoe, *Carlyle's* Essay on Burns, *Tennyson's* The Princess, *Lowell's* The Vision of Sir Launfal, *George Eliot's* Silas Marner.

*b.* For careful study, *Shakespeare's* Macbeth, *Milton's* Lycidas, Comus, L'Allegro, and Il Penseroso, *Burke's* Speech on Conciliation with America, *Macaulay's* Essays on Milton and Addison.

**2.** *Latin Grammar.* The inflections; the simpler rules for composition and derivation of words; syntax of cases and verbs; the structure of the sentence in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive; so much prosody as relates to accent, versification in general, and dactylic hexameter.

**3.** *Latin Composition.* Translation into Latin of easy continuous prose based upon Cæsar and Cicero.

Special attention is called to this requirement. It is strongly recommended that prose composition begin with the earliest study of Latin and be used continuously as the means of organizing the pupil's vocabulary under the forms of grammar. The writing of detached sentences should give place as soon as possible to practice in writing continuous prose, based chiefly or exclusively on definite portions of Cæsar and Cicero, during the whole time when these authors are being read. Such exercises may be found in Collar's Practical Latin Composition and Daniell's Exercises in Latin Composition.

**4.** *Cæsar.* The first five books of the Gallic War.

**5.** *Vergil.* The first six books of the Æneid, including the prosody of hexameter verse.

**6.** *Cicero.*

*a.* Six orations, namely the four against Catiline, and the orations for Archias and the Manilian Law.

*b.* Three additional orations, preferably to be selected from the orations for Milo, for Marcellus, for Ligarius, and the fourteenth Philippic.

7. *Ovid.* Selections from the Metamorphoses (2500 lines).

8. *Sallust.* The Catiline or the Jugurtha.

[7 or 8 may be offered in place of 6 *b*.]

9. *Vergil.* The Eclogues and Georgics, or the last six books of the Æneid.

10. *Latin Sight Translation.* Sight Translation into English from easy Latin prose writers, such as Cornelius Nepos, Aulus Gellius, Quintus Curtius, and Eutropius.

11. *Roman History and Geography.* The history of Rome down to the battle of Actium. The ancient geography of Italy and Gaul and the topography of the city of Rome.

12. *Greek Grammar.* The topics for examination in Greek grammar are similar to those enumerated under Latin grammar. Special stress is laid upon a thorough knowledge of the noun and verb inflections.

13. *Greek Composition.* Simple sentences and easy continuous discourse based upon Xenophon's Anabasis, chiefly to test the candidate's knowledge of accent, inflection and the fundamental rules for the syntax of the noun and verb.

14. *Xenophon.* The first four books of the Anabasis.

15. *Xenophon.* The fifth, sixth, and seventh (chapters i–iii) books of the Anabasis.

16. *Herodotus.* The seventh book of the History (sections 1–60 and 172–239).

17. *Homer.* The first three books of the Iliad.

18. *Greek History and Geography.* The history of Greece down to the end of the Peloponnesian War. The ancient geography of Greece and Asia Minor.

19. *Greek Sight Translation.* Sight translation into English from easy Greek prose, such as the writings of Xenophon.

20. *Elementary French.* The examination will be upon the general principles of grammar and of syntax, and the irregular verbs; upon the ability to render into French English sentences illustrating these principles and verbs, and upon the translation at sight of easy French prose.

**21.** *Elementary German.* Translation at sight of easy German prose into English and of easy English exercises into German. Rudiments of grammar, comprising declension of nouns; conjugation of auxiliary, regular and irregular verbs; separable and inseparable verbs: declension and comparison of adjectives; pronouns; the most frequent prepositions; numerals; the principles of the normal, inverted and transposed order. Fifty pages of easy prose: *Grimm's* Märchen or *Meissner's* Aus meiner Welt.

Either **20** or **21** is to be offered, but not both.

**22.** *Advanced French.* Students qualified to pursue advanced French courses will take the examination in **20** and will receive every possible opportunity to pursue such courses.

**23.** *Advanced German.* Five cantos of *Goethe's* Hermann und Dorothea, or *Chamisso's* Peter Schlemihl. *Harris's* German Composition: Introductory Selections and Easy Narrative Selections. (Parts I and II.)

**24.** *Plane Geometry a.* Demonstrations of theorems, and constructions and demonstrations of problems which are contained in the standard texts. Also simple exercises in construction and demonstration.

**25.** *Plane Geometry b.* Mensuration of the triangle, parallelogram, trapezoid, regular polygons, and circle; and the use of the logarithms of numbers. The demonstrations of propositions do not form a part of this requirement, but are included in Plane Geometry **24**. (A knowledge of the simple arithmetical operations will be assumed.) The problems in this subject, for the most part, will be stated in terms of the metric system of weights and measures; and in the solutions the student will be required to use four or five place logarithmic tables. (Special emphasis is laid upon accuracy in reckoning.)

**26.** *Algebra, first part.* Fundamental operations, factoring, highest common factor, least common multiple, fractions, equations of the first degree in one or more unknown

quantities, problems which lead to equations of the first degree, powers and roots, fractional and negative exponents, reduction of radicals, including the extraction of the square root of numbers. (Special emphasis is laid upon accuracy and facility in reckoning.)

27. *Algebra, through the binomial theorem.* Quadratic equations in one or two unknown quantities, ratio and proportion, arithmetical and geometrical progressions, permutations and combinations, undetermined coefficients, binomial theorem for positive, negative, and fractional exponents.

28. *Solid and Spherical Geometry.*

29. *Logarithms and Plane Trigonometry.*

## New Academic Freshman Entrance Requirements, To Go Into Effect in 1903.

The following entrance requirements are drawn in accordance with recommendations of the National Educational Association and of the College Entrance Examination Board of the Middle States and Maryland.

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Beginning with June, 1903, candidates for admission to the Academic Freshman class will be examined in the books and subjects detailed below. It is recommended that candidates be prepared for examination on the requirements as specified, but equivalents will be accepted.

In the subjoined list of subjects, the following constitute the minimum requirements which are expected of all candidates: 1, 2, 3, 4, 5, 6, 7, 8; 15, 16, 17, 18; 23 (or 25); 27, 28, and 29.

Candidates who pass satisfactorily in certain of the other subjects, in addition to those enumerated above, may in this way secure advanced standing at the start in one or all of the subjects of instruction of the Freshman year. The

requirements for advanced standing in each department are as follows:

In Latin: One or more of **9, 10, 11, 12, 13, 14.**

In Greek: One or more of **19, 20, 21, 22.**

In French: **24.** To be offered only by candidates offering **23.**

In German: **26.** To be offered only by candidates offering **25.**

In Mathematics: One or more of **31, 32, 33.**

### ENGLISH.

1. *English* (as at present).

### HISTORY.

2. *Ancient History.* For the present the requirement will be restricted to Greek history to the death of Alexander the Great, and Roman history to the accession of Commodus. As soon as it appears practicable, notice will be given and the requirement will be extended to comprise "Ancient History with special reference to Greek and Roman history, and including also a short introductory study of the more ancient nations and the chief events of the Middle Ages down to the death of Charles the Great (814)." It is recommended that instruction in the schools should be extended to comprise Ancient History in the sense above defined, and be conducted according to the methods recommended in the Report to the American Historical Association on the Study of History in Schools (Macmillan, 1899.)

### LATIN.

3. *Latin Grammar.* The inflections; the simpler rules for composition and derivation of words; syntax of cases and verbs; structure of the sentence in general, with particular regard to relative and conditional sentences, indirect

discourse and the subjunctive; so much prosody as relates to accent, versification in general, and dactylic hexameter.

4. *Latin Composition A.* Translation into Latin of detached sentences and very easy continuous prose based upon Cæsar and Cicero.

5. *Cæsar.* Any four books of the Gallic War, preferably the first four.

6. *Cicero A.* Any six orations from the following list, but preferably the first six mentioned:

The four orations against Catiline, Archias, the Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth Philippic.

7. *Vergil A.* The first six books of the Æneid.

8. *Sallust.* The Catiline.

9. *Ovid.* Twenty-five hundred lines from the Metamorphoses.

10. *Vergil B.* The last six books of the Æneid.

11. *Vergil C.* The Eclogues and Georgics.

12. *Cicero B.* De Amicitia and De Senectute.

13. *Latin Composition B.* Consisting of continuous prose of moderate difficulty based on Cicero.

14. *Sight Translation.* Based exclusively on prose of no greater difficulty than the easier portions of Cicero's orations.

GREEK.

15. *Greek Grammar.* The topics for the examination in Greek Grammar are similar to those detailed under Latin grammar.

16. *Greek Composition A.* Consisting principally of detached sentences to test the candidate's knowledge of grammatical constructions.

The examination in grammar and prose composition will be based on the first two books of Xenophon's Anabasis.

17. *Xenophon.* The first four books of the Anabasis.

**18.** *Homer A.* The first three books of the Iliad (omitting II, 494–end).

**19.** *Homer B.* The sixth, seventh, and eighth books of the Iliad.

**20.** *Herodotus.* Selections from the seventh book, sections 1–60 and 172–239.

**21.** *Greek Composition B.* Consisting of continuous prose based on Xenophon and other Attic prose of similar difficulty.

**22.** *Sight Translation.* Based on prose of no greater difficulty than Xenophon's Anabasis.

### FRENCH.

**23.** *French A.* Candidates should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of everyday life, or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar.

Satisfactory preparation for this examination is furnished in the two-year course in elementary French recommended by the Modern Language Association. The course comprises drill in pronunciation, the rudiments of grammar, memorizing easy sentences, with easy exercises illustrating grammatical forms and principles, translation into French, writing French from dictation, and the reading of 100 to 175 pages of graduated texts with abstracts of this reading, followed by 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches, such as: *About's* Le roi des montagnes, *Bruno's* Le tour de la France, Daudet's easier short tales, *La Bèdollière's* La Mère Michel et son chat, *Erckmann-Chatrian's* stories, *Foa's* Contes biographiques and Le petit Robinson de Paris, *Foncin's* Le pays de France, *Labiche* and *Martin's* La poudre aux yeux and Le voyage de M. Perrichon, *Lagouvé* and *Labiche's* La

cigale chez les fourmis, *Malot's* Sans famille, *Mairet's* La tâche du petit Pierre, *Mérimée's* Colomba, extracts from *Michelet*, *Sarcey's* Le siège de Paris, *Verne's* stories.

24. *French B.* Candidates should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course. Preparation for this examination should include, in addition to the elementary course, 400 to 600 pages of moderately difficult French, a portion of it to be in the dramatic form; exercise in giving French paraphrases, and continued practice in grammar and composition.

Suitable texts are: *About's* stories, *Augier* and *Sandeau's* Le Gendre de M. Poirier, *Béranger's* poems, *Corneille's* Le Cid and Horace, *Coppée's* poems, *Daudet's* La Belle-Nivernaise, *La Brète's* Mon oncle et mon curé, *Madame de Sévigné's* letters, *Hugo's* Hernani and La chute, *Labiche's* plays, *Loti's* Pêcheur d'Islande, *Mignet's* historical writings, *Molière's* L'avare and Le bourgeois gentilhomme, *Racine's* Athalie, Andromaque and Esther, *George Sand's* plays and stories, *Sandeau's* Mademoiselle de la Seiglière, *Scribe's* plays, *Thierry's* Récits des temps mérovingiens, *Thiers's* L'expédition de Bonaparte en Égype, *Vigny's* La canne de jonc, *Voltaire's* historical writings.

## GERMAN.

25. *German A.* Candidates should be able to read at sight, and to translate a passage of very easy dialogue or narrative prose, help being given upon unusual words and constructions, to put into German short English sentences taken from the language of everyday life or based upon the text given for translation, and to answer questions upon the rudiments of the grammar.

Satisfactory preparation for this examination is furnished in the two-year course in elementary German recommended by the Modern Language Association. The course comprises drill in pronunciation, memorizing easy sentences, the rudiments of grammar with easy exercises illustrating grammatical forms and principles, and the reading of 75 to 100 pages of graduated texts from a reader, followed by 150 to 200 pages of easy stories and plays.

Stories suitable for the elementary course may be selected from the following list: *Andersen's* Märchen and Bilderbuch ohne Bilder, *Arnold's* Fritz auf Ferien, *Baumbach's* Die Nonna and Der Schwiegersohn, *Gerstäcker's* Germelshausen, *Heyse's* L'Arrabbiata, Das Mädchen von Treppi and Anfang und Ende, *Hillern's* Höher als die Kirche, *Jensen's* Die braune Erica, *Leander's* Träumereien and Kleine Geschichten, *Seidel's* Märchen, *Stökl's* Unter dem Christbaum, *Storm's* Immensee and Geschichten aus der Tonne, *Zschokke's* Der zerbrochene Krug.

Suitable plays are: *Benedix's* Der Prozess, Der Weiberfeind, and Günstige Vorzeichen, *Elz's* Er ist nicht eifersüchtig; *Wichert's* An der Majorsecke, *Wilhelmi'* Einer muss heiraten. It is recommended, however, that not more than one of these plays be read.

**26.** *German B.* Candidates should be able to read at sight German prose of ordinary difficulty, whether recent or classical; to put into German a connected passage of simple English, paraphrased from a given text in German; to answer any grammatical questions relating to usual forms and essential principles of the language, including syntax and word-formation, and to translate and explain a passage of classical literature taken from some text previously studied.

Preparation for this examination should include, in addition to the elementary course, about 400 pages of moderately difficult prose and poetry, with continued practice in grammar and composition. Suitable reading matter can be

selected from such books as: *Ebner-Eschenbach's* Die Freiherren von Gemperlein, *Freytag's* Die Journalisten and Bilder aus der deutschen Vergangenheit—for example, Karl der Grosse, Aus den Kreuzzügen, Doktor Luther, Aus dem Staat Friedrichs des Grossen, *Fouqué's* Undine, *Gerstäcker's* Irrfahrten, *Goethe's* Hermann und Dorothea and Iphigenie, *Heine's* poems and Reisebilder, *Hoffmann's* Historische Erzählungen, *Lessing's* Minna von Barnhelm, *Meyer's* Gustav Adolf's Page, *Moser's* Der Bibliothekar; *Riehl's* Novellen—for example, Burg Neideck, Der Fluch der Schönheit, Der Stumme Ratsherr, Das Spielmannkind, *Rosegger's* Waldheimat, *Schiller's* Der Neffe als Onkel, Der Geisterseher, Wilhelm Tell, Die Jungfrau von Orleans, Das Lied von der Glocke, Balladen, *Scheffel's* Der Trompeter von Säkkingen, *Uhland's* poems, *Wildenbruch's* Das edle Blut.

## MATHEMATICS.

In all numerical work special emphasis is laid upon accuracy and facility in reckoning.

In each of the following subjects simple original exercises will be set.

Problems having to do with lengths, areas or volumes, will be stated, usually, in terms of the metric system of weights and measures.

**27.** *Algebra to Quadratics. A I.* The four fundamental operations for rational algebraic expressions, factoring, highest common factor, lowest common multiple, complex fractions, the solution of equations of the first degree containing one or more unknown quantities, radicals, including the extraction of the square root of polynomials and numbers, and fractional and negative exponents.

**28.** *Elementary Algebra, Quadratics and beyond. A II.* Quadratic equations, equations in one or more unknown quantities, that can be solved by the methods of quadratic equations, ratio and proportion, the progressions, the ele-

mentary treatment of permutations and combinations, the binomial theorem for positive integral exponents, and the use of four, five and six place logarithms.

29. *Plane Geometry.* Demonstrations of theorems, and constructions and demonstrations of problems; the solution of simple numerical exercises, including lengths of lines and areas of the triangle, parallelogram, trapezoid, regular polygons, and circle; simple original exercises in construction and demonstration.

31. *Algebra. B.* The elementary treatment of infinite series, undetermined coefficients, the binomial theorem for fractional and negative exponents, the theory of logarithms, determinants, and the elements of the theory of equations, including Horner's method for solving numerical equations.

32. *Solid Geometry.* Properties of straight lines and planes, of dihedral and polyhedral angles, of projections, of polyhedrons, including prisms, parallelopipeds, pyramids and the regular solids, of cylinders, cones, and spheres, of spherical triangles; and the mensuration of these solids and their surfaces.

33. *Plane Trigonometry.* Definitions of the six trigonometric functions as ratios, relations between these six functions, values of the functions for 0°, 30°, 45°, 60°, 90°, 120°, 135°, etc., etc., formulas for the sine, cosine, and tangent of the sum or difference of two angles for all angles, formulas for the sum or difference of two sines or two cosines, expressions for the functions of double and half angles, trigonometric identities and equations, theory of logarithms and the use of trigonometric tables, and the solution of right and oblique plane triangles. A knowledge of the meaning of the circular measure of angles, and of the inverse trigonometric functions is also desirable.

EXAMINATION CERTIFICATES ISSUED BY THE COLLEGE ENTRANCE EXAMINATION BOARD FOR THE MIDDLE STATES AND MARYLAND

will be accepted in place of the regular entrance examinations, in so far as the certificates presented correspond to the requirements of this University. Candidates offering such certificates are required to submit therewith the testimonials as to character and general fitness prescribed above for other candidates. The latter testimonial shall state definitely the amount of work done in each subject offered for examination.

## ADMISSION TO SPECIAL COURSES.

In exceptional cases, students, not members of any one of the four regular classes or candidates for a degree, are admitted to the privileges of the University, and allowed to take special undergraduate courses, selected under the direction of the Faculty, in such a manner as to secure full and profitable employment of their time. Such special students undergo an entrance examination sufficient to ascertain their preparation for the courses proposed, and are subject to the same regulations and discipline and to the same examinations in the studies pursued, as other undergraduates. Those desiring to enter as Special Students are expected to take the regular entrance examinations upon such subjects as they offer: and in case the applicant passes in two of the three cardinal requirements, (to wit, Latin, Greek, and Mathematics) for entrance to the Freshman Class Academic, he will ordinarily be accorded a special course of study. These special courses, however, are not offered to those who have failed in the regular course.

When special students are finally leaving the University, professors may authenticate for them such studies as they have pursued in their respective departments; and certifi-

cates of proficiency, signed by the President and Registrar, may be granted them on report by the Committee on Special Students that they have completed the courses on their schedule.

### SOPHOMORE, JUNIOR, AND SENIOR ENTRANCE REQUIREMENTS.

Candidates for admission to the Sophomore class who have not completed the studies of the Freshman year at another approved institution must first pass an examination on the studies required for admission to the Freshman class.

Candidates for admission to the Sophomore, Junior or Senior class, when coming from another institution, are examined only in the studies of the year preceding that which they wish to enter, provided they present evidence that they have passed satisfactory examinations on the previous studies of the curriculum and entrance requirements, or their equivalents.

A candidate coming from an undergraduate class in an approved institution may be allowed, at the discretion of the Faculty, to enter the next lower class in this University, without examination, provided he presents satisfactory certificates from his former institution.

The studies of the Freshman year are Latin, Greek, Mathematics, English, French or German. For admission to the Sophomore class, candidates will be examined on the following minimum amounts or equivalents.

*In Greek:* Xenophon's Hellenica, books I–II; Herodotus, 60 pages, exclusive of any part offered for entrance to the Freshman class; Thucydides, book II, or an equal amount.

*In Latin:* Terence, one play; Livy, books I and XXI or XXII; Cicero, *De Senectute;* Roman History; Prose Composition based on Livy, book I.

*In Mathematics:* On courses 1, 2, 3, and 4 described under the heading Academic Mathematics on a later page.

*In English:* Hunt's Discourse, pp. 19–150, or equivalent.

*In French or German:* The elements of one of these languages.

The studies of Sophomore year include the following required subjects: Latin, Greek, Mathematics, Mechanics, English, History, Chemistry, Logic; and the following elective studies, of which two must be taken: Latin, Greek, Mathematics, French, German.

The required studies of Junior year are Ethics, Psychology, Physics, and Political Economy. Five elective studies are to be chosen in each term from the departments of Philosophy, Language and Literature, Mathematics and Natural Science.

At the discretion of the Faculty, the Bachelor of Arts diploma of an approved institution may be taken in place of the examination for entrance to the Senior year.

No person is admitted to the University as a candidate for the degree of Bachelor of Arts after the beginning of the first term of the Senior year.

### REGULATION CONCERNING SECRET SOCIETIES.

Immediately after the beginning of the Academic year the students entering the Undergraduate Department meet according to announcement for matriculation and subscription to the following pledge, required by the Board of Trustees :

We, the undersigned, do individually for ourselves promise, without any mental reservation, that we will have no connection whatever with any secret society, nor be present at the meetings of any secret society in this or any other institution so long as we are members of Princeton University; it being understood that this promise has no reference to the American Whig and Cliosophic Societies. We also declare that we regard ourselves bound to keep this promise and on no account whatever to violate it.

# EXAMINATIONS, STANDING AND GRADUATION.

## EXAMINATIONS.

*Regular Examinations.*—At the end of each term each class is ordinarily examined in the studies of that term. At the close of the second term the examination in certain subjects may embrace not only the work of that term, but the course of the entire year.

*Partial Examinations and Written Recitations.*—In addition to the regular examinations, partial examinations or written recitations are held from time to time during the term.

*Divisional Examinations.*—In the Freshman class, special examinations are held early in the first term, the results of which determine the distribution of the class into graded divisions. These are reorganized at the beginning of the second term according to the results of the last preceding regular examinations.

*General Regulations.*—Examinations are for the most part conducted in writing, but in certain subjects are oral in whole or in part. Private examinations are not allowed except in extreme cases and by special permission of the Faculty. Absence from an examination, except for reasons of absolute necessity, will be regarded as a serious delinquency.

### REGULATIONS RESPECTING CONDITIONS AND ABSENCE FROM EXAMINATIONS.

1. *Absence* from any examination, regular or special, counts as a failure.

*Excuses* for such absences are to be rendered to the Committee on Examinations and Standing.

2. *Conditions* are incurred by failure to satisfy the requirements of any course,—including term work, examinations, and any extra work imposed by the instructor for irregularity of attendance; also by exclusion from examination.

*Exclusion Rule.* A student who is absent from more than one-sixth of the exercises of any course may be excluded by the instructor from the examination in that course.

3. *Dropping Rule.* A student who is conditioned in *half or more of his work for a term* is dropped from his class without the privilege of re-examination,—and he must either withdraw from the University, or with permission of the Faculty enter the next lower class.

*Previous conditions unremoved* will be added to the total constituting failure under this rule, as provided in Rule 6; likewise *entrance conditions*, as provided in Rule 9.

4. *Re-examination.* A student who has conditions amounting to *less than half the work of a term* is given one opportunity to remove them, without penalty,—first term conditions or deficiencies due to absence in the fifth week of the second term, second term conditions in the first week of the Academic year in September.

5. *Second Opportunity.* A student who fails to remove his conditions or deficiencies at the first opportunity is granted a second opportunity—on first term subjects in the first week of the Academic year in September, on second term subjects in the sixth week of the Academic year. In case of Seniors the second opportunity on first term conditions will be given in June. For these examinations the student must pay the fee of Section 8, and he may be required by the instructor to employ a tutor and present a certificate of preparation.

6. *Demotion.* A student who fails to remove a condition at the second stated opportunity will be enrolled with the next lower class in the catalogue until all deficiencies are made up. No further opportunity for examination in the

subject will be given until the regular examination period of the corresponding term in the following year. If the condition is not then removed, it will be added to the total constituting failure at that time; likewise to the total of any term thereafter as long as unremoved. Other opportunity for examination on such a condition will be given only at the September deficiency examinations.

7. *Senior Finals.* A Senior who fails to pass in not more than two subjects of the second term examination is allowed *one* re-examination, and, if successful, may be recommended to receive his degree with his class. Further opportunity to remove conditions is given only in the next Academic year.

8. *Fee.* For each examination upon a deficiency after the first opportunity and not at a regular term examination, the student is required to pay a fee of $5 into the University treasury, to be applied to the Library Fund.

9. *Entrance Conditions.* Opportunity for the removal of entrance conditions will be given in January in the first week after the holiday recess, and in the week following the Spring recess,—as well as at the regular entrance examinations in June and September.

Freshman entrance conditions remaining after the beginning of Sophomore year will be counted each as one hour toward dropping under Rule 3; and will also entail payment of the fee of Section 8. In a later year, if unremoved, they will entail demotion, Section 6.

10. *Schedules* of examination will be posted on the bulletin board in the University Offices usually a week in advance. Examinations on deficiency are held only at the periods specified above, and no deferred or special examination is allowed. When a student has two subjects scheduled for the same time, the earlier subject takes precedence; for examination in the other subject the student must arrange in advance through the Committee on Examinations and Standing.

11. *Special Cases.* In the application of these regulations, special cases, arising from illness or other causes, will be duly considered by the Faculty. Requests to be relieved from the operation of any these regulations must be made in writing.

## STANDING.

The results of the term examinations are combined with those of the recitations to decide the relative standing or rank of the student. The maximum mark in each study is one hundred; the minimum or passing mark is fifty.

The rank in each course is determined by the instructor; who computes from the recitations and examinations the marks of the class and divides the class into groups in the order of merit.

The Senior and Junior classes are divided into four groups.

The first group indicates very high standing and contains not more than $\frac{1}{5}$ of the entire class.

The second group indicates high standing and contains not more than $\frac{3}{10}$ of the entire class.

The third group indicates medium standing and contains not more than $\frac{2}{5}$ of the entire class.

The fourth group indicates low standing and contains the remainder of the class, except those not fully examined.

The Sophomore and Freshman classes are divided into six groups.

The first group indicates very high standing and contains not less than $\frac{1}{80}$ or more than $\frac{1}{10}$ of the entire class.

The second group indicates high standing and contains not more than $\frac{1}{5}$ of the entire class.

The third group indicates high medium standing and contains not more than $\frac{1}{4}$ of the entire class.

The fourth group indicates medium standing and contains not more than $\frac{1}{5}$ of the entire class.

The fifth group indicates low standing and contains not more than $\frac{1}{6}$ of the entire class.

The sixth group indicates very low standing and contains the remainder of the class, except those not fully examined.

The general rank of a student is determined by combining his group numbers in the several courses in proportion to the allotted schedule time of each. The student whose averages are highest, and above an established limit, are assigned to the first general group; those next highest to the second general group; and so on through the general groups.

In determining a student's standing, essays count as one hour per week throughout each of the four years. Account is taken of attendance and conduct as well as scholarship, according to the published rules of the Faculty.

A report of the standing of each student is made to his parent or guardian by the Registrar at the close of the first term and at the close of the year. The latter report gives also the standing for the whole year.

## GRADUATION.

### BACHELOR'S DEGREE.

Students who pass their final examinations are ordinarily recommended by the Faculty for the degree of Bachelor of Arts, and if the recommendation is approved by the Trustees, the degree is conferred at Commencement, and the diploma of the University is given.

No student will be recommended to the Trustees for a degree who fails to pass the examinations at the close of the last term of the Senior year.

Any member of the Senior class who fails to pass in not more than two subjects of the second term examinations is allowed *one* re-examination, and, if successful, may be rec-

ommended to receive his degree with his class. Further opportunity to remove conditions is given only in the next academic year.

### FINAL RANK AND GRADUATION HONORS.

The final rank of members of the graduating class is computed by combining the averages for the several years of the course, except that the average for the Freshman year is omitted in those cases in which it would lower the standing of the student. The Faculty then determines what portion of the class shall be printed as the Honor List—the names of the members of each group being printed in alphabetical order. Special Honors in particular departments are also awarded.

The first and second general groups thus determined are the Honor Groups of the graduating class, and are designated *magna cum laude* and *cum laude*, respectively.

The higher distinction of *insigni cum laude* and the highest, of *summa cum laude*, are reserved for very unusual excellence.

### COMMENCEMENT SPEAKERS.

The student whose individual rank is highest, is ordinarily awarded the Latin Salutatory by vote of the Faculty. The Valedictory is awarded with special regard to the qualifications of the student as a valedictorian, as well as on the ground of scholarship. Five others out of sixteen recommended by the Baird Prize Committee deliver English Orations, usually in the order of their scholarship.

In the award of all degrees and honors, regard is had to the conduct of the student during his course, and any student who has incurred serious discipline may be debarred from the rank to which otherwise his scholarship would have entitled him.

# REGULATIONS FOR GENERAL AND SPECIAL HONORS.

Honors are of two kinds, General and Special, and in each kind there are two degrees of distinction, High Honors and Honors. In very exceptional cases the Faculty may also bestow the further distinction of Highest Honors, either General or Special.

I. General Honors are awarded for general excellence in studies at the close of each academic year, according to the following provisions:—At the close of the Freshman, Sophomore, and Junior years, High General Honors are given to those whose average rank for the year is within the First General Group, and General Honors to those whose average rank for the year is within the Second General Group. At graduation, High General Honors are given to those whose final average rank for the whole academic course is within the First General Group, and similarly General Honors to those within the Second General Group.

II. Special Honors are awarded for excellence in single leading departments of study at the close of the Sophomore year and at graduation, according to the following provisions: The Second-Year Special Honors at the close of the Sophomore year, are given in the following departments: Latin, Greek, Mathematics. Only those whose average rank for the year in all their Sophomore courses is not below the Third General Group, are eligible for Second-Year Special Honors. Such of these as maintain a first group rank in the Freshman and Sophomore courses belonging to the department in which Special Honors are sought, receive

High Honors, and similarly those who maintain a second group rank receive Honors.

The Final Special Honors are awarded at graduation in the following departments: 1. Philosophy; 2. History, Jurisprudence, and Politics; 3. Archæology and Art; 4. Classics; 5. Modern Languages; 6. English; 7. Mathematics; 8. Physical Science; 9. Natural Science. Only those whose final average rank for the whole academic course is not below the Third General Group are eligible for Final Special Honors. Such of these as maintain a first group standing in at least nine of any ten courses in one of the above departments, pursuing four of these courses in Junior year, and six in Senior year, receive High Honors, and the others who maintain an average first group rank in their ten courses receive Honors.

In departments where less than ten Junior and Senior courses are available for Special Honors, the necessary number of additional courses must be taken from a cognate department.

Students who intend to study for Special Honors shall give written notice of their intention to the Registrar, when they hand in their list of electives at the beginning of Sophomore or Senior year.

## UNDERGRADUATE COURSES OF INSTRUCTION.

The course for the degree of Bachelor of Arts extends through four academic years and embraces instruction in the three departments of Philosophy, Language and Literature, Mathematics and Natural Science.

It includes two classes of studies, the required and the elective. The required studies are regarded as fundamental and essential in a liberal education and therefore are not left to the student's option. The elective studies, though

important, are not all indispensable and accordingly are left, within definite limits, to the student's choice. Attendance upon all elective courses, when once chosen, as well as upon all required courses, is obligatory. In connection with some departments there are also optional courses, with voluntary attendance.

Most of the studies of the Freshman year are required, and include Latin, Greek. Mathematics and English. The student elects between French and German. If he has fulfilled only the minimum requirement for entrance (20 or 21), he must continue the study of the language in which he was examined; if he has fulfilled the advanced requirement (22 or 23), he may either continue the study of that language, or begin the study of the other.

In the Sophomore year the studies are substantially all required. They include Latin, Greek, Mathematics, and English, continued from the Freshman year, and, in addition, General History, Logic, Mechanics, and Chemistry. Opportunity is also given in elective courses in Latin, Greek, Mathematics, French, and German, for the student to extend his required work in any two of these directions.

In the Junior year the elective system more properly begins. About one-third of the student's time is occupied with required studies, which are Psychology, Ethics, Political Economy, Physics. In addition to these the student chooses five elective courses in each term, some of them open only to Juniors and others to Juniors and Seniors.

In the Senior year the range of electives is wider. The student selects seven elective courses of study.

The various elective courses for Sophomores, Juniors, and Seniors are detailed on the following pages.

To prevent confusion and secure intelligence of choice on the part of students, the electives are arranged systematically. As a rule no elective course is introduced until the student has passed through a required course in the

same general department of study. The Sophomore electives are extensions of subjects already familiar to the student in the required courses, and the Junior and Senior electives, though largely new studies, are preceded by suitable required courses.

A further inducement to coherency in choice is found in the provision for Honors. Apart from the General Honors awarded for general excellence, there are Special Honors in the leading departments, in both required and elective studies. The effect of this is to concentrate choice upon cognate studies. The General and Special Honors are described on preceding pages.

In the two lower years the instruction is conducted mainly by recitations. The Freshmen and Sophomores recite in four, five, six, seven, or eight divisions, constituted according to rank and according to their degree of proficiency in the leading studies. They are divided separately for the classics, mathematics, and modern languages. As the work is thus proportioned to individual ability, rapid progress can be made by those who have special aptitude for certain studies.

Optional courses, so ordered as not to conflict with the time allotted to the regular instruction of the course, are offered in connection with several departments, under such restrictions as may be prescribed by the Faculty. These courses are designed to benefit those who wish to extend their reading or study in certain branches; they amplify the subjects taken up in the regular course, and in some cases conclude with a special examination upon which is based a certificate of proficiency. A student may take not more than two optional courses at one time; and only one course, if that course occupies more than two hours weekly.

In awarding the Bachelor's degree, and assigning the final rank, the student's work for the whole four years is taken into account.

REGULATIONS REGARDING THE CHOOSING OF ELECTIVES.

Students are required to choose their elective studies for the first term at the beginning of that term, and no changes will be allowed after the close of the third week, and none before that time, except for special reasons approved by the Faculty.

*Students are required to hand in writing to the Registrar, on or before the third Monday in January*, their choice of electives for the second term, and no changes will be allowed after that date, except for special reasons approved by the Faculty.

If a student be in the lowest group in any department, he shall have liberty to choose his elective studies only in departments in which his previous standing has been above that group. If he desire any other elective studies, he shall send in his proposed list of such studies to the Faculty for approval, and if his choice be not approved, the Faculty shall assign him his electives.

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# STATEMENTS OF COURSES.

In the following statements of courses the numbers in brackets indicate the number of exercises a week.

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## DEPARTMENT OF PHILOSOPHY.

### I. MORAL PHILOSOPHY.

THE PRESIDENT AND PROFESSORS SHIELDS AND PATTON.

2. Ethics. Theoretical and practical ethics, the foundation of moral obligation, the will, conscience, the nature of virtue, and the moral law. Recent ethical discussions. Lectures. Junior Required; second term [2]. The President. *Seth:* Ethical Principles. *Mackenzie:* Manual of Ethics.

4. Harmony of Science and Religion. With a view to the scientific evidences of Christianity, and the purification and completion of philosophy. Senior Elective; second term [2]. Professor Shields. Lectures by the Professor, and extemporaneous essays by the student.

5, 6. (Latin 13, 14.) Lucretius, De Rerum Natura, and Cicero, De Natura Deorum. Senior Elective; both terms [2]. Professor Packard.

7. Theism. Senior Elective; first term [2]. The President.

9. History of English Ethics. Senior elective, open to graduates; first term [2]. The President and Professor Patton. Lectures, critical reading of selected works, and a thesis. *Selby-Bigge:* British Moralists, The Ethical Series: edited by *Sneath.*

12. Science and Religion. The history and the logic of the sciences with reference to emerging problems of religion. Graduate course; second term [2]. Professor Shields. Lectures.

## II. Mental Philosophy.

PROFESSORS ORMOND, BALDWIN, HIBBEN AND WARREN.

2. Elements of Logic. Sophomore Required; second term [2]. Professor Hibben. Lectures. *McCosh:* Deductive Logic. *Hibben:* Inductive Logic.

3. Psychology. Elementary Course. Junior Required; first term [2]. Professors Baldwin and Warren. Lectures and conferences. *Baldwin:* Elements of Psychology. References: *McCosh:* Cognitive and Motive Powers. *James:* Briefer Course.

4. Experimental Psychology. Introduction to the subject. The method, scope, and most general results of the experimental treatment of the mind, considered especially

in its connection with general psychology, education, and medicine. Special demonstrations, in the laboratory, of contrast, fatigue, habit, etc. Junior Elective; second term [2]. Professor Warren. *Sanford:* Course in Experimental Psychology.

5 I. History of Ancient Philosophy. Greek and Roman philosophy to close of pagan schools. Given 1901–1902, alternating with 5 II. Junior and Senior Elective; first term [2]. Professor Ormond. Lectures. *Zeller:* Outlines of Greek Philosophy; *Windelband:* History of Philosophy; *Weber:* History of Philosophy.

6 I. History of Mediæval Philosophy, embracing the patristic and scholastic periods and ending with Francis Bacon. Given 1901–1902, alternating with 6 II. Junior and Senior Elective; second term [2]. Professor Ormond. Lectures, with references to *Ueberweg*, *Erdmann*, *Windelband.*

5 II. History of Modern Philosophy. Philosophy from Descartes to Kant. Given 1902-1903, alternating with 5 I. Junior and Senior Elective; first term [2]. Professor Ormond. Lectures, with references to *Falkenberg.*

6 II. History of Modern Philosophy. Philosophy since Kant. Given 1902-1903, alternating with 6 I. Junior and Senior Elective; second term [2]. Professor Ormond. Lectures, with references to *Falkenberg.*

The courses, 5 I, 6 I, 5 II, 6 II furnish a continuous course of lectures on historical philosophy running through two years.

8. (Greek 10.) Plato: The Phaedo, alternating with the Republic, and lectures on the Platonic philosophy. Junior and Senior Elective; second term [2]. Professor Orris.

9. The Theory of Logic, and Applied Logic, with special reference to the principles of argumentation. Junior Elective; first term [2]. Professor Hibben. Lectures.

10. Symbolic Logic and Theory of Probability. Junior Elective; second term [2]. Professor Hibben. Lectures.

11. (Greek 15.) Aristotle, the Nicomachean Ethics, with a summary of the Teachings of Aristotle. Senior Elective; first term [2]. Professor Orris.

13. Elements of Epistemology. Lectures. Senior Elective; first term [2]. Professor Ormond. *McCosh:* First and Fundamental Truths; *Ormond:* Foundations of Knowledge.

14. Metaphysics. Lectures. Senior Elective; second term [2]. Professor Ormond.

Courses 13 and 14, taken together, are intended to supplement the courses on the History of Philosophy, with a course of constructive work running through the year, 13 dealing mainly with the problems of knowledge, while 14 treats of the problems of reality.

15. Physiological Psychology. Lectures and demonstrations in the laboratory. Treatment of mental defect and disease. Senior Elective; second term [2]. Professor Baldwin. (Not given 1901–1902.) It is recommended that those electing this course take Neurology in the first term.

16. The Psychology of Logic. Lectures on the psychological basis and postulates of logic; theories of leading psychologists and logicians. Senior Elective; second term [2]. Professor Warren.

17. Experimental Psychology. The psychology of the special senses (sight, hearing, touch, etc.,) experimentally treated. The second half of this course treats of the higher processes, memory, association, action, thought. Senior Elective and Graduate course; first term [2]. Professor Warren (Professor Baldwin consulting.) Lectures and demonstrations. Practical work in the laboratory required of all students.

18. Experimental Psychology. Detailed treatment by lectures and demonstrations of mental intensities and reac-

tion-times. Senior Elective and Graduate course; second term [2]. Professor Warren (Professor Baldwin consulting). References: *Wundt, Külpe, Jastrow, Cattell, Titchener.*

19. General Psychology. Advanced course. Senses and Intellect, with abnormal conditions. Senior Elective and Graduate course; first term [2]. Professor Baldwin. Lectures. References: *James, Wundt, Ladd, Baldwin.*

20. General Psychology. Advanced course. Feeling and Will, with abnormal conditions. Senior Elective and Graduate course; second term [2]. Professor Baldwin. Lectures. References: *James, Wundt, Ladd, Baldwin.*

22. Theories of Heredity and Descent. (Also Biology 22.) General treatment by lectures of the important questions in evolution. Senior Elective and Graduate course; second term [2]. Professor Baldwin. References: *Conn, Headley.*

23 I. Negative Theories of Knowledge. Graduate course; first term [2]. Lectures. Professor Ormond. (Given 1902–1903.)

24 I. Outlines of Philosophy. Graduate course; second term [2]. Lectures. Professor Ormond. (Given 1902–1903.)

23 II. Kant, Lotze, and Contemporary Philosophy. Graduate course; first term [2]. Lectures. Professor Ormond. (Given 1901–1902.)

24 II. Selected Topics in Philosophy. Graduate course; second term [2]. Lectures. Professor Ormond. (Given 1901–1902.)

The four subjects above indicated, 23 I, 24 I, 23 II, 24 II, constitute a two years' course of graduate study, and have been developed with special reference to students seeking the Master's degree.

25, 26. (Greek 17, 18.) Plato; analysis of his dialogues, lectures on his philosophy, reading of the Phædo and parts of the Republic. Graduate course; both terms [1]. Professor Orris.

27, 28. Experimental Psychology. Consisting largely in research work, with weekly conference for original reports, open to all graduate students in philosophy. Graduate course ; both terms [2]. Professors Baldwin and Warren.

## PHILOSOPHICAL SEMINARIES.

DIRECTOR, 1901–1902, PROFESSOR ORMOND.

29, 30. Problems in Contemporary Philosophy. Seminary course. Both terms [2]. Professor Ormond.

31, 32. Graduate Psychological Seminary. Open as an optional to Seniors of the first and second groups who elect 19 or 20 ; both terms [1]. Professor Baldwin. Subject for 1901–1902, Genetic Questions.

33. Theory of Mental Measurements. Graduate course; first term [2]. Professor Warren.

34. Readings in German Philosophy. Seminary course, open to graduate students ; both terms. Hegel's Logik. Professor Hibben.

## III. HISTORY.

PROFESSORS PAUL VAN DYKE, FROTHINGHAM, CONEY AND MC ELROY.

1. (A portion of Greek 1, 3.) Greek History. Freshman Required; first term. Professor Prentice.

2. (Latin 2.) Roman History. Freshman Required; second term [1]. Professor Carter.

3. General History. Sophomore Required; first term [2]. Professor Paul van Dyke or Professor Coney. *Adams:* European History.

4. Greek History. From the Earliest Times to the Ionian Revolt. Junior and Senior Elective ; first term [2]. Given 1902–3. Professor Frothingham.

5. Greek History. From the Ionian Revolt to the Peloponnesian War. Junior and Senior Elective; second term [2]. Given 1902–3. Professor Frothingham.

4 I. Roman History. From the founding of Rome to the close of the Punic Wars. Junior and Senior Elective; first term [2]. Given 1902–3. Professor Frothingham.

5 I. Roman History. From the fall of Carthage to the fall of the Republic. Junior and Senior Elective; second term [2]. Given 1902–3. Professor Frothingham.

4 II. Roman History. From Augustus to the last of the good Emperors. Junior and Senior Elective; first term [2]. Given 1901–2. Professor Frothingham. References: *Merivale*, *Bury*, *Duruy*.

5 II. Roman History. Decline and Fall of the Empire, from Commodus to Justinian. Junior and Senior Elective; second term [2]. Given 1901–2. Professor Frothingham. References: *Duruy*, *Gibbon*, *Bury*, and *Hodgkin*.

7. Mediæval History to the thirteenth century. Lectures and collateral reading. Junior Elective; first term [2]. Professor Coney.

8. Mediæval History. From the thirteenth to the sixteenth century. Lectures and collateral reading. Junior Elective; second term [2]. Professor Coney.

9 I. The Age of the Renascence. Junior and Senior Elective; first term [2], alternating with 9 II and 9 III. Given 1902–1903. Professor Paul van Dyke. Lectures.

10 I. The Fall of the House of Valois. Junior and Senior Elective; second term [2], alternating with 10 II and 10 III. Given 1902–1903. Professor Paul van Dyke. Lectures and reading,

9 II. The Age of the Reformation in Germany: 1493–1555. Junior and Senior Elective; first term [2], alternating with 9 I and 9 III. Given 1903–1904. Professor Paul van Dyke. Lectures.

10 II. England under the Tudors. Junior and Senior Elective; second term [2], alternating with 10 I and 10 III. Given 1903–1904. Professor Paul van Dyke. Lectures and reading.

9 III, 10 III. The three English Revolutions (the Commonwealth, the Revolution of 1689, the Revolt of the American Colonies), their resemblances, contrasts and connections. Junior and Senior Elective; both terms [2], alternating with 9 I and 9 II, 10 I and 10 II. Given 1901–1902. Professor Paul van Dyke. Lectures and reading.

11. Thesis Course in English History. Open to a limited number of Juniors and Seniors who have ranked in the first or second groups in history during the previous year. A thesis and text book. The thesis to serve instead of an examination. Restricted Junior and Senior Elective; first term [2]. In charge of Professor Paul van Dyke, assisted by Professor Coney and Professor McElroy. This class meets in 1901–1902 in two sections. The Junior section studies English History to the age of the Tudors. The Senior section takes up the history from that time on.

No Junior may take more than two courses in history during the same term.

13. Modern European History, with special reference to the consolidation of the German States. Senior Elective; first term [2]. Professor Coney.

14. Constitutional and Political History of England since the Reformation. Lectures and collateral reading. Senior Elective; second term [2]. Professor Coney.

15, 16. American History. Lectures, Text Book and Collateral Reading. Senior Elective; both terms [2]. Professor McElroy.

18. Ancient Monarchies of the East from the beginning of history in Babylonia through the later civilizations of Assyria and Persia to the time of Alexander. History, religion, and life, with especial reference to recent discover-

ies. Lectures and recitations with collateral reading. Senior Elective; second term [2]. Professor Frothingham. References: *Rawlinson:* Stories of the Nations; *Lenormant: Babelon.*

## IV. Jurisprudence and Politics.

PROFESSORS WILSON AND FINLEY.

1 1. Outlines of Jurisprudence: an exposition of Jurisprudence as an organic whole, exhibiting the nature of its subject-matter, its relationship to cognate branches of study, the inter-relationship of its several parts to each other, and their proper function and aim. Lectures and collateral reading. Junior and Senior Elective; first term [2], alternating with course 1 11. Given 1901–1902. Professor Wilson. *Pollock:* A First Book of Jurisprudence.

2 1. The Elements of Politics: an analysis of modern political ideas, of the genesis and action of the body politic, and of the character and lodgment of political authority. Lectures and collateral reading. Junior and Senior Elective; second term [2], alternating with course 2 11. Given 1901–1902. Professor Wilson. *J. R. Seeley:* Introduction to Political Science.

1 11. Constitutional Government: its nature, genesis, and operation. Lectures and collateral reading. Junior and Senior Elective; first term [2], alternating with course 1 1. Given 1902–1903. Professor Wilson. *E. Boutmy:* Studies in Constitutional Law; *W. Wilson:* The State.

2 11. American Constitutional Law. Lectures and collateral reading. Junior and Senior Elective; second term [2], alternating with course 2 1. Given 1902–1903. Professor Wilson. *Cooley:* American Constitutional Law; *A. V. Dicey*: The Law of the Constitution.

3, 4. English Common Law: its genesis, growth, character, and general principles; with a general introduction

on European legal history. Lectures and collateral reading. Senior Elective; both terms [2]. Professor Wilson. Open only to those Academic Seniors who take or have taken course 11.

5. Contemporary Politics, bringing into review the internal political conditions and inter-relations of the leading nations of to-day, with so much of their past political life as may be essential to an intelligent view of the present. Lectures and collateral reading. Junior and Senior Elective; first term [2]. Professor Finley.

6. Comparative State Legislation, a study of the scope, nature and trend of recent and current legislation in the Commonwealths of the United States. Senior elective; second term [2]. Professor Finley.

8. The Expansion of Europe, discussing chiefly the colonial policies of European States and their different methods of administration, and leading to a consideration of the questions involved in the government of the recent acquisitions of the United States. Lectures and collateral reading. Senior Elective; second term [2]. Professor Finley.

9, 10. (Latin 17, 18.) Roman Law. Readings, lectures, and recitations. Senior Elective, open to graduate students; both terms [2]. Professor Westcott. *Justinian:* Institutes; *Sohm:* Institutes of Roman Law.

12. (Latin 28.) Sources of Early Roman Law. Graduate course; second term [2]. Professor Westcott. *Bruns*: Fontes Juris Romani Antiqui; *Lindsay:* Latin Inscriptions.

## V. Political Economy and Sociology.

PROFESSORS DANIELS AND WYCKOFF.

2. Political Economy. The elements of Economics. Junior Required; second term [3]. Lectures, recitations, and written tests. Professor Daniels. *Bullock:* Introduction to the Study of Economics.

3. Applied Economics. A study of concrete problems in Economics: railroads, public service monopolies, combinations of capital, monetary and banking systems. Senior Elective, open to both Academic and Scientific students; first term [2]. Recitations and lectures. Professor Daniels. *Jenks:* Trust Problem; *Eaton:* Railway Economics.

4. Public Finance. An exposition of the principles of public finance: revenue, expenditure, and public credit. Senior Elective, open to both Academic and Scientific students; second term [2]. Recitations, lectures, and collateral reading. Professor Daniels. *Daniels:* Public Finance.

5. History of Social Theory. An historical and critical analysis of the principal theories of social reconstruction from the early Utopias to the various forms of modern anarchy and socialism. Senior Elective, open to both Academic and Scientific students; first term [2]. Lectures. Professor Wyckoff.

6. Private Property Rights. The origin of private property rights and their subsequent modifications in civilized society, with special reference to present problems of land tenure and to private and public ownership and management of monopolies. Senior Elective, open to both Academic and Scientific students; second term [2]. Lectures. Professor Wyckoff.

## Economic Seminary.

DIRECTOR, 1901–1902, PROFESSOR DANIELS.

7. Economic History. A study of industrial changes in England and the Colonies from the Conquest to 1760. Seminary course, open to qualified graduates; and to Seniors, both Academic and Scientific, who have ranked in the first group in Junior Required Economics; first term [2]. Professor Daniels. *Gibbins:* Industry in England.

8. Financial History of the United States. A study of federal finance from 1865 to the present, mainly from the

official sources. Seminary course, open to graduates and approved Seniors, both Academic and Scientific; second term [2]. Professor Daniels.

9. Genesis of Industrial Order. An ethnological study of industry, including the earliest forms of the division of labor, the domestication of animals and plants, the rise of slavery, the use of money, etc. Seminary course, open to graduates and approved Seniors, both Academic and Scientific; first term [2], not given in 1901–1902. Professor Wyckoff.

10. Development of Industrialism. This course will continue and supplement course 7, and will treat of the rise of a new industrial order as an outcome of the industrial revolution, of the factory system, its development in the growth of capitalism and in the organization of labor,—involving combinations, trusts, monopolies, and trades unions. Seminary course, open to graduates and approved Seniors, both Academic and Scientific; second term [2]. Professor Wyckoff.

12. Advanced Economic Theory. An exposition of economic theory, historical and dogmatic. Seminary course for competent graduates; hours to be arranged with the instructor. Professor Daniels. *McFarlane:* Value and Distribution.

## VI. Archæology and the History of Art.

PROFESSORS PRIME, MARQUAND AND FROTHINGHAM.

1. Ancient Art, a general course on the art of ancient Egypt, Assyria, Phoenicia, Greece, and Rome. Junior and Senior Elective; first term [2]. Professor Marquand. Lectures.

2. Mediæval Art, a general course on early Christian, Romanesque, and Gothic Art. Junior and Senior Elective; second term [2]. Professor Marquand. Lectures.

3. Greek Sculpture. Senior Elective and Graduate course; first term [2]. Professor Marquand. Lectures.

4. Renaissance Painting. Senior Elective and Graduate course; second term [2]. Professor Marquand. Lectures.

7. Etruscan and Roman Art. Graduate course, open to approved Seniors; first term [2]. Professor Marquand.

8. Studies in Greek Architecture. Graduate course, open to approved Seniors; second term [2]. Professor Marquand.

9, 10. Gothic Cathedrals. A study of the principal monuments of Gothic architecture in Europe, with an examination into the origin and history of the style. Senior and Graduate course; both terms [2]. Professor Frothingham.

### SCHOOL IN ROME.

This University has been interested in the recent establishment of the American School of Classical Studies in Rome. This School affords facilities for archæological and classical advanced study and investigation in Italy for both the ancient and Christian periods. Approved graduates of this University are entitled to all its advantages free of tuition and may compete for its three Fellowships, two of $600 and one of $500. Further information may be obtained from Dean West, Chairman, or Professors Marquand and Frothingham, members of the managing committee of the School.

## DEPARTMENT OF LANGUAGE AND LITERATURE.

## VII. SEMITICS.

### DR. LITTMANN.

For the years 1901–1902 the following courses are offered:

1, 2. Advanced Arabic. Interpretation of the more difficult texts, reading of manuscripts and inscriptions. Graduate course; both terms [2]. *Nöldeke-Müller:* Delectus carminum veterum Arabicorum. Zamakhsharî, Mufassal, ed. *Broch.*

3. Semitic Epigraphy. Reading of Phoenician, Palmyraean, Nabataean or South Arabian inscriptions. Graduate course; first term [2]. *Lidzbarski:* Handbuch der nordsemitischen Epigraphik. *Hommel:* Südarabische Chrestomathie.

4. Ethiopic, elementary or advanced. Grammar, exercises, reading of texts. Graduate course; second term [2]. *Praetorius:* Grammatica Aethiopica. Guidi, Vita Za-Mîkâêl, Arâgâwî. *Basset:* Études sur l'Histoire d'Éthiopie.

These courses are open under special conditions to properly qualified Seniors. Courses on other Semitic Languages and their literature, and in addition on Coptic and Turkish may be given if desired.

## VIII. INDO-IRANIAN.

PROFESSOR ROBBINS, AND DR. GRAY.

1, 2. Elementary Sanskrit. Grammar, exercises, and reading of easy texts; comparison of forms. Senior Elective and graduate course; both terms [2]. Dr. Gray. *Perry:* Sanskrit Primer; *Geiger:* Elementarbuch der Sanskritsprache. *Whitney:* Sanskrit Grammar. *Uhlenbeck:* Manual of Sanskrit Phonetics. *Lanman:* Sanskrit Reader.

3, 4. Advanced Sanskrit. Reading of classical and Vedic Sanskrit in the first and second terms respectively. Graduate course, open under special conditions to properly qualified Seniors; both terms [2]. Dr. Gray. Amaraśataka with Arjunavarmadêva's commentary or Jayadêva's Gîtagôvinda with Sanskrit commentary. Brihaddêvata, ed. Mitra, or selected hymns from the Rig-Vêda with Sâyana's commentary.

5, 6. Avesta. Grammar and reading of selected texts. Graduate course, open under special conditions to properly qualified Seniors; both terms [2]. Professor Robbins or Dr. Gray. *Jackson:* Avesta Grammar, Avesta Reader, first series. *Geldner:* Avesta. *Mills:* Gâthâs.

7, 8. Modern Persian. Grammar and interpretation of Persian poetry. Graduate course; both terms [2]. Dr.

Gray. *Saleman-Shukovski:* Persische Grammatik; Sa'adîs Gulistân, ed. Platts, or Schefer, Chrestomathie Persane; Firdausî's Shâhnâmah, ed. Vullers-Landauer, or Hâfiz, ed. Brockhaus, or 'Umar Khayyâm, ed. Whinfield.

Of the above courses, ordinarily not more than two are given in any one year, the selection being determined by the demand. By special arrangement substitute courses in Pâli, Mâhârâshtri Prâkrit, Old Persian, Pahlavî, etc., may be given by Dr. Gray to properly qualified graduate students.

## IX. Greek.

DEAN WINANS, PROFESSORS H. C. CAMERON, ORRIS, ROBBINS, AND PRENTICE, MR. RIDGWAY, AND MR. GLASSMEYER.

1. Lysias: Orations. Study of Greek syntax and style, with practical exercises. Freshman Required; first term [2]. Mr. Ridgway and Mr. Glassmeyer. *Morgan:* Lysias.

2. Xenophon: Memorabilia and Symposium. Dion Chrysostom. Freshman Required; second term [2]. Mr. Ridgway or Mr. Glassmeyer. *Winans:* Memorabilia, Symposium. *Prentice:* Dion's Hunters of Euboea.

3. Xenophon: Hellenica I-II. Greek history. Freshman Required; first term [2]. Professor Prentice, Mr. Ridgway, and Mr. Glassmeyer. *Blake:* Hellenica. *Botsford:* History of Greece.

4. Herodotus: selections, sight reading. Freshman Required; second term [2]. Professor Robbins and Mr. Ridgway. *Merry:* Herodotus, and *Teubner text.*

5. Aristophanes: Clouds and Plutus. Sophomore Required; first term [2]. Dean Winans and Professor Robbins. *Merry* or *Grave:* Clouds, *Green:* Plutus.

6. Euripides: Alcestis, and a second play. Sophomore Required; second term [2]. Professors Robbins and Prentice, and Mr. Ridgway. *Earle:* Alcestis.

7. Homer: Selections from the Odyssey. Sophomore Elective; first term [2]. Professor Prentice and Mr. Ridg-

way. *Seymour and Perrin:* Odyssey; also *Cauer:* Schulausgabe.

8. Lucian's Dialogues. Sophomore Elective; second term [2]. Dean Winans. *Williams:* Selections from Lucian.

9 I. Æschylus: selected plays. Lectures. Given 1901-1902, alternating with 9 II. Junior and Senior Elective; first term [2]. Professor Robbins.

9 II. Aristophanes: Frogs and Acharnians. Lectures on comedy and on Aristophanes and his works. Given 1902-1903, alternating with 9 I. Junior and Senior Elective; first term [2]. Professor Robbins. *Merry:* Acharnians, *Merry* or *Green:* Frogs.

10. (Ment. Phil. 8.) Plato: The Phaedo, alternating with the Republic. Lectures on the Platonic philosophy. Junior and Senior Elective; second term [2]. Professor Orris.

11. History of Greek Prose Literature, with special regard to the literary sources of Greek history. Lectures, and readings from Greek historians. (Not given in 1901-1902.) Senior and Junior Elective; first term [2]. Professor Prentice.

12. Sophocles: selected plays. Lectures on the Greek drama and Greek legends. Junior and Senior Elective; second term [2]. Professor Prentice.

13, 14. Sophocles: Œdipus Tyrannus, Antigone. Greek Literature. Lectures. Senior Elective; both terms [2]. Professor H. C. Cameron.

15. (Ment. Phil. 11.) Aristotle: The Nicomachean Ethics, with a Summary of the Teachings of Aristotle. Senior Elective; first term [2]. Professor Orris.

16. Greek Lyric Poets. Readings. Lectures. Individual work. Senior Elective; second term [2]. Dean Winans.

17, 18. (Ment. Phil. 25, 26.) Plato: his life and works, analysis of his dialogues, lectures on his philosophy, reading

of the Phaedo and the Republic. Graduate course; both terms [1]. Professor Orris.

19 I, 20 I. Greek Historians: Thucydides. Critical Study. Senior Elective and Graduate course; both terms [2]. (Given 1901–1902). Dean Winans.

19 II, 20 II. Euripides. Reading of selected plays. Senior Elective and Graduate course; both terms [2]. (Given 1902-1903.) Dean Winans.

21, 22. Greek Dialects. Inscriptions and Homer. Graduate course, open to approved Seniors; both terms [2]. Professor Robbins. *Cauer:* Delectus.

24. Comparative Grammar of Greek and Latin. Lectures. Graduate course, open to approved Seniors; second term [2]. Professor Robbins.

25. Greek Writers of the Christian Era. In 1901-2, history of Constantine the Great: Zosimus and Eusebius. Graduate course; first term [2]. Professor Prentice.

26, 27. Greek Inscriptions. In 1901–02, first term, general introduction; the alphabet; historical inscriptions of the fifth century. Second term, inscriptions relating to economics and finance. Senior Elective and Graduate course; both terms [2]. Professor Prentice.

A special course in Greek epigraphy will be given, if desired, to approved students.

### SCHOOL AT ATHENS.

This University, in connection with others, assisted in establishing and contributes to the support of the American School of Classical studies at Athens. This school affords facilities for archæological and classical investigation and study in Greece, and approved graduates of this University are entitled to all its advantages free of tuition. Two Fellowships in Classical Archæology, each of the value of $600, are awarded annually by competition. Further information may be obtained from Dean Winans, who represents Princeton in the managing committee of the school.

## X. LATIN.

DEAN WEST, PROFESSORS PACKARD, WESTCOTT, AND CARTER, DR. JOHNSON, MR. HELM, MR. AUSTIN, AND MR. WHITE.

1. Livy: books I, XXI, and XXII. Freshman Required; first term [3]. Professor Westcott, Mr. Helm, Mr. Austin, or Mr. White. *Westcott:* Livy.

2. Cicero: De Senectute and De Amicitia. Tacitus: Agricola, and Germania. Roman History. Freshman Required; second term [4]. Professor Carter, Dr. Johnson, Mr. Helm, Mr. Austin or Mr. White.

3. Latin Prose Composition. Freshman Required; first term [1]. Dr. Johnson or Mr. Helm. Exercises based upon Livy.

5. Plautus and Terence: Reading of selected plays, with occasional lectures on the history of Latin comedy. Sophomore Required; first term [2]. Professor Carter or Dr. Johnson.

6. Horace: Odes. Catullus, selections. Sophomore Required; second term [2]. Professor West. *Page:* Horace. *Simpson:* Selections from Catullus.

7a. Cicero: Letters. Sophomore Elective; first term [2]. Professor Westcott or Dr. Johnson. *Abbott:* Letters of Cicero.

7b. The period of the Civil Wars, 49 to 31 B. C., studied from original sources. Pro-Seminar, restricted (substitute for 7a). Sophomore Elective: first term [2]. Professor Westcott.

The Latin pro-seminary is located in the University Offices building.

8a. Tacitus: Histories. Sophomore Elective; second term [2]. Dr. Johnson or Mr. Helm. *Godley:* Tacitus.

8b. The reigns of Augustus and Tiberius with special attention to the Divus Augustus of Suetonius and the Annals of Tacitus, and including an elementary course in Epi-

graphy. Pro-Seminar, restricted (substitute for 8a). Sophomore Elective; second term [2]. Professor Westcott.

9. Juvenal's Satires, and selected Letters of Pliny; lectures upon the moral and religious aspect of the Earlier Empire. Junior Elective (Seniors admitted on application to the Professor); first term [2]. Professor Packard. Any accepted edition or text.

10. Seneca's Epistolæ ad Lucilium. Lectures, with added work and thesis on selected portions of Seneca's other writings. Junior Elective (Seniors admitted on application); second term [2]. Professor Packard. *Teubner text.*

11. The Roman Elegy in the Augustan Age. Selected reading from Tibullus, Propertius, and Ovid. Lectures on the history of elegiac poetry. Junior Elective; first term [2]. Professor Carter.

13. (Moral Phil. 5.) Lucretius: De Rerum Natura, lectures illustrative of the subject. Senior Elective; first term [2]. Professor Packard. *Harper's texts.*

14. (Moral Phil. 6.) Cicero: De Natura Deorum, with selected readings from De Divinatione, and De Fato; lectures. Senior Elective; second term [2]. Professor Packard. *Harper's texts.*

15. Roman Oratory. Quintilian: Institutio Oratoria, Book Tenth. Cicero: De Oratore. Senior Elective; first term [2]. Professor West.

16. Horace: Satires and Epistles. Lectures and recitations. Senior Elective; second term [2]. Professor West.

17. (Jur. and Pol. 9.) Roman Law: lectures and recitations. Senior Elective, open to graduates; first term [2]. Professor Westcott. *Sohm:* Institutes of Roman Law.

18. (Jur. and Pol. 10.) Roman Law. Senior Elective, open to graduates; second term [2]. Professor Westcott. The Institutes of Justinian.

19 1. History of Roman Literature under the Republic. Reading of selected authors, and lectures. Senior Elective,

open to graduates; first term [2], alternating with 19 II. Given 1901–1902. Professor Carter.

19 II. History of Roman poetry under the Empire. Reading of selected authors, and lectures. Given 1902–1903. Senior Elective, open to graduates; first term [2], alternating with 19 I. Professor Carter.

20. Vergil: A critical study of his literary development as illustrated in the Bucolics, the Georgics and the Æneid, together with an investigation of the Pseudo-vergiliana. Senior Elective; second term [2]. Professor Carter.

21, 22. Selections from Tertullian, Lactantius, and Augustine. Beginnings of Christian life, order, and doctrine. Graduate course; both terms [2]. Professor Packard.

23. Apuleius. Selections from the Metamorphoses, studied with special reference to African Latinity. Graduate course; first term [1]. Professor Carter.

24. Petronius. Reading of the Cena Trimalchionis, with special attention to the private life of the Romans. Graduate course; second term [1]. Professor Carter.

25, 26. Mediæval Latin Literature. A course involving the extensive reading of representative writers and of the history of mediæval Latin literature. Graduate course; both terms [2]. Professor West.

28. (Jur. and Pol. 12.) Sources of Early Roman Law. Graduate course; second term [2]. Professor Westcott. *Bruns:* Fontes Juris Romani Antiqui. *Lindsay:* Latin Inscriptions.

30 I. History of Prose Literature under the Empire. Second term [2]. Given 1902–3, alternating with 30 II. Graduate course (open to approved Seniors). Professor Westcott.

30 II. The law orations of Cicero, with a study of the legal institutions of his time; second term [2], alternating

with 30 1. Graduate course (open to approved Seniors). Professor Westcott.

32. Introduction to the study of Mythology. Lectures and theses. Graduate course; second term [2]. Professor Carter.

34. Method of Palæography and Text-Criticism. Seminary: lectures and drill in text-making—search for MSS., collation, formation of genealogies and construction of text. Graduate course; second term [2]. Dr. Richardson.

### Classical Seminary.

Director, 1901–1902, Dean West.

## XI. English.

PROFESSORS HUNT, RAYMOND, HENRY VAN DYKE, HARPER, COVINGTON, AND AXSON, AND MR. TUCKERMAN, MR. HUTTON, MR. COLWELL, AND MR. CHAMBERS.

1, 2. Rhetoric; exercises in description and narration. Freshman Required; both terms [2]. Professor Axson. Oratory 1, 2, (See XI below) may be substituted for this course, but one of the two courses must be taken.

3. Introduction to English Literature. Sophomore Required; first term [2]. Professor Axson. *Pancoast:* Representative English Literature. Collateral reading. Themes. Argumentative Composition (see Oratory 3 below) may be substituted for this course, but one of the two courses must be taken.

An optional class in advanced prose composition for approved Sophomores will be conducted by Mr. Chambers; second term [2], with Professor Henry van Dyke.

5. Elizabethan Drama. Shakespeare. Junior Elective, first term [2]. Professor Harper. Lectures.

6. Elizabethan Drama. Predecessors of Shakespeare. Junior Elective, second term [2]. Professor Harper. Lectures. Open in 1902 to Seniors also.

7. Pope to Wordsworth. Rise of the Romantic School. Junior Elective, first term [2]. Professor Axson. Lectures.

8. Spenser and Milton. Junior Elective, second term [2]. Professor Axson. Lectures.

9. Old English. Junior and Senior Elective; first term [2]. Professor Hunt. *Smith:* Old English Grammar. *Bright:* Anglo-Saxon Reader.

10. Old and Middle English. English language readings. Junior and Senior Elective; second term [2]. Professor Hunt. *Champney:* History of English. *Morris and Skeat:* Specimens of Early English. *Corson:* Chaucer's Canterbury Tales. *Skeat:* Piers Plowman. *Kent:* Elene.

11. American Literature. Discussion of leading types and authors. Senior Elective; first term [2]. Professor Hunt. *Richardson:* American Literature. *Stedman:* Poets of America.

12. The Interpretation of Literature—English Literature. Senior Elective; second term [2]. Professor Hunt. *Hunt:* Studies in Literature and Style.

13 I. British Prose Writers of the Nineteenth Century. Senior Elective; first term [2]. Given 1902–1903. Professor Henry van Dyke.

13 II. British Poetry of the Nineteenth Century. Wordsworth, Scott, Byron, Shelley, Keats, Tennyson, Keble, Arnold, William Morris, Elizabeth Barrett Browning, Robert Browning. Senior Elective; first term [2]. Given 1901–1902. Professor Henry van Dyke.

15. Seventeenth Century Dramatic Literature to the Restoration [1616–1660]. Senior Elective; first term [2]. Professor Axson. Lectures.

16. Seventeenth Century Non-Dramatic Literature to the Restoration [1616–1660]. Senior Elective; second term [2]. Professor Harper. Lectures. (Not given in 1902.)

## ENGLISH SEMINARY.

DIRECTOR, 1901–1902, PROFESSOR HUNT.

17. Advanced Old English. Seminary Course, open to approved Seniors; first term [2]. Professor Hunt. *Harrison and Sharp:* Beowulf. *Hunt:* Caedmon's Exodus and Daniel. *Cook:* Cynewulf's Christ.

18. Gothic. Seminary Course, open to approved Seniors; second term [2]. Professor Hunt. *Browne:* Gothic Grammar. *Wright:* Gothic Primer. *Heyne:* Ulfilas. *Balg:* First Germanic Bible.

20. The Development of Prose Forms in English Literature. Seminary Course, open to approved Seniors; first term [2]. Professor Henry van Dyke.

21. Elizabethan Prose: Bacon and Milton. Lectures and Textual Study. Seminary Course, open to approved Seniors; first term [2]. Mr. Tuckerman.

22. Shakespeare: Hamlet. Seminary Course, open to approved Seniors; second term [2]. Professor Parrott.

23, 24. Original Research and Advanced English Composition. Open to graduates only, and intended for those having theses or other literary work to prepare; both terms [2]. Mr. Tuckerman.

## XII. ORATORY.

PROFESSOR COVINGTON.

1, 2. Oratory: including the elocution and rhetoric of public address. Drill in gesture, vocal emphasis, declamation and the analysis and writing of themes. Freshman Required; both terms [2]. Professor Covington. *Raymond and Miller:* The Speaker. *Ringwalt:* Modern American Oratory; or *Perry:* Selections from Burke. Rhetoric (see XI English above) may be substituted for this course, but one of the two courses must be taken. Both courses are scheduled as "English."

3. Argumentative Composition. A study of the principles of Argumentation. Illustrative selections from American and British eloquence. Lectures, recitations, and exercises in brief-drawing. Sophomore Required; first term [2]. Professor Covington. English 3 (see XI above) may be substituted for this course, but one of the two courses must be taken. Both courses are scheduled as "English."

*a.* Oratorical Composition and Delivery. Junior Optional; second term. Exercises at specified hours. Professor Covington.

*b.* Oratorical Composition and Delivery. Senior Optional; first term. Exercises at specified hours. Professor Covington.

There are public contests for various prizes in oratory, poetry, and disputation. (See heading "Prizes and Competitive Scholarships."

### COURSE IN DEBATE.

The course in debating will occupy a continuous two hour session weekly during the first term, and be conducted by the Departments of Politics, History, Economics, and Oratory. The work of the course will include brief-drawing and the oral presentation of arguments, under the direction of the professors in charge. The course is an elective, open to both Seniors and Juniors, on the terms hereinafter described:

1. The number eligible to take this course shall be limited to forty, of which number not more than twenty shall be Seniors.

2. Only members of Whig or Clio Hall, in good and regular standing, may elect this course.

3. Each Hall, on the date when elective schedules must be filed, shall transmit to the Registrar a list containing the names of twenty Hall members eligible to the course, of whom not more than ten shall be Seniors.

4. Each Hall shall select its candidates upon some basis of merit, and shall neither designate their quotas simply by election, nor upon the nomination of officials or boards who are elected. Furthermore, no man may be put upon the list of either Hall, unless he has been an active member of that Hall, in good and regular standing, for at least one year preceding the filing of said lists. Honorable mention (or prizes taken) in competitive Hall debates shall entitle the winners to elect this course. In case an individual who has taken the course in his Junior year signify his desire to take the same course in his Senior year, he shall have a right to do so, even in preference to those in his own class who have not taken the course in their Junior year, provided always he maintain a good and regular Hall standing, and provided that the professors in charge or any of them shall not debar him for poor work in the course in Junior year.

(See plan posted in Clio Hall or Whig Hall for further particulars.)

## XIII. Exercises in English Composition.

In addition to the exercises in narration and description, disputation and oratory, prepared in connection with the courses indicated under English and Oratory above, extended essays and other forms of composition are required in the Freshman, Sophomore, and Junior years, and in many of the elective courses open to Seniors. They are prepared under the supervision of the professors of English literature, discourse, and oratory, and are carefully examined and corrected. In every year of the course several prizes or honorary appointments are given for excellence in essay writing and in public address, either by the University, or by the Cliosophic or American Whig Societies, acting through committees appointed from their own members in the Faculty.

## XIV. GERMAN.

PROFESSORS HUMPHREYS AND HOSKINS AND MR. BEAM.

1, 2. Elements of Grammar. Exercises in composition. Reading. Freshman Elective (Required for those not taking German 3, 4; 5, 6, or French); both terms [2]. Professor Hoskins and Mr. Beam. *Whitney:* Compendious German Grammar. *Whitney:* Introductory German Reader.

3, 4. Intermediate Course in grammar, composition, and reading. Freshman Elective (open to those who have passed the elementary examination for admission: Required for those not taking German 1, 2; 5, 6; or French); both terms [2]. Professor Hoskins and Mr. Beam. *Whitney:* German Grammar. *Whitney:* Introductory German Reader. *Bronson:* German Prose and Poetry. *Leander:* Träumereien.

5, 6. Advanced Course in grammar, syntax, composition, and reading. Freshman Elective (open to those who have passed the advanced examination for admission: Required for those not taking German 1, 2; 3, 4; or French); both terms [2]. Professor Hoskins and Mr. Beam. *Whitney:* Compendious German Grammar. *Harris:* German Composition. *Storm:* Immensee. *Heyse:* Die Blinden. *Freytag:* Die Journalisten.

7, 8. Modern German Prose and Poetry. Composition and syntax. Sophomore Elective (open to those who have passed German 1, 2 or 3, 4 but have not passed 5, 6); both terms [2]. Professor Humphreys and Mr. Beam. *Whitney:* Compendious German Grammar. *Harris:* German Composition. *Riehl:* Der stumme Ratsherr. *Auerbach:* Auf Wache. *Schiller:* Wilhelm Tell, Lyric Poems.

9, 10. Schiller's Life and Works. Composition. Sophomore Elective (open only to those who have passed German 5, 6); both terms [2]. Professor Humphreys and Mr. Beam. *Schiller:* Ausgewählte Werke. *v. Jagemann:* Materials for Composition.

11, 12. Lessing's Life and Works. Lectures on German literature from the Thirty Years' War to Lessing's death. Junior Elective; both terms [2]. Professor Hoskins. *Lessing:* Ausgewählte Werke.

13, 14. Goethe's Life and Works. Senior Elective; both terms [2]. Professor Humphreys. *Goethe:* Ausgewählte Werke.

15, 16. Middle High German. Grammar, lectures, and reading. Restricted Senior Elective and Graduate Course, open only to those proficient in modern German; both terms [2]. Professor Humphreys or Professor Hoskins. *Paul:* Mittelhochdeutsche Grammatik. *Bartsch:* Das Nibelungenlied, Walther von der Vogelweide.

17, 18. Old High German. Grammar, reading, studies in word-forms. Requires a knowledge of modern German; knowledge of Gothic useful. Restricted Senior Elective and Graduate Course; both terms [2]. Professor Hoskins. *Braune:* Althochdeutsche Grammatik, and Althochdeutsches Lesebuch.

19, 20. Old Icelandic. Grammar, lectures and reading. Graduate course; both terms [2]. Professor Hoskins. *Noreen:* Altisländische und altnorwegische Grammatik (2 Ed.) *Kahle:* Altislandisches Elementarbuch. *Ranisch:* Die Volsungasaga.

21, 22. Historical German Grammar. Introduction, phonology, and morphology. Requires a knowledge of Old and Middle High German and Gothic. Graduate course; both terms [2]. Professor Hoskins. Lectures.

For courses in Gothic and Anglo-Saxon see announcement of the English Department.

## XV. FRENCH.

PROFESSORS A. G. CAMERON, LEWIS, AND VREELAND.

1, 2. French. Freshman Elective (Required for those not taking French 3, 4, or German); both terms [2]. Professor Vreeland.

3, 4. French. Freshman Elective (open to those who have passed the advanced entrance requirement in French: Required for those not taking French 1, 2, or German); both terms [2]. Professor Vreeland.

5. French. Sophomore Elective; first term [2]. Professor A. G. Cameron or Professor Vreeland.

6. French. Sophomore Elective; second term [2]. Professor A. G. Cameron or Professor Vreeland.

Courses 5 and 6 will consist of reading: *Balzac*, *Coppée*, *Daudet*, *Dumas*, *Maupassant*, *Zola*, or others; and lectures upon the historical development of Gallicisms, together with analytic and practical study of the idiomatic language.

7 I. French Literature. The fifteenth and sixteenth centuries and the nineteenth century. Lectures and reading. Junior and Senior Elective, given 1901–1902; first term [2]. Professor A. G. Cameron.

8 I. French Literature. The seventeenth century, and the nineteenth century. Lectures and reading. Lectures upon the ethics of France and of French literature to the Seniors in courses 8 I and 8 II. Junior and Senior Elective, given 1901–1902; second term [2]. Professor A. G. Cameron.

7 II. French Literature. The thirteenth century, and the eighteenth century, with particular study of Voltaire. Lectures and reading. Junior and Senior Elective; given 1902-1903; first term [2]. Professor A. G. Cameron.

8 II. French Literature. The fourteenth century, and the eighteenth century. Lectures and reading. Junior and Senior Elective, given 1902-1903; second term [2]. Professor A. G. Cameron.

The French courses 9, 10, 11, and 12, given in the School of Science, are also open to Academic students.

13, 14. Old French Readings. This course is intended to give the student a good reading knowledge of Old French, as well as to acquaint him with the literature of the

period. *Gaston Paris:* Extraits de la Chanson de Roland is first read, then *Suchier:* Aucassin et Nicolete, *Warnke:* Die Lais de Marie de France, *Koschwitz:* Karls Reise, *Foerster:* Cligès. Senior Elective, both terms [2]. Professor Lewis.

15. Old Provençal Grammar and introduction to mediæval literature of the langue d'oc. Lectures on the history of Provence in its connections with literary development. Reading of selections from the Troubadours. Senior Elective and Graduate course; first term [2]. Professor Vreeland.

16. Old Provençal Readings. A continuation of the first term's work, with lectures on the lives and writings of the Troubadours. Senior Elective and Graduate course; second term [2]. Professor Vreeland.

## Romance Seminary.

DIRECTOR 1901–1902, PROFESSOR LEWIS.

17, 18. Molière. A study of Molière's life, evolution, social satire, influence, and imitators. Graduate course; both terms [2]. Professor A. G. Cameron.

19, 20. The Anecdotic History of French Literature. Graduate course; both terms [2]. Professor A. G. Cameron.

21, 22. Old French Philology. Graduate course; both terms [2]. Professor Lewis. The lectures on Old French etymology and morphology, given in this course, bear mainly on the subject-matter contained in *Schwan:* Grammatik des Altfranzösischen, and *Suchier:* Le français et le provençal.

23. Physiological Phonetics. Graduate course; first term [2]. Professor Lewis. This course consists entirely of lectures, at first on general physiological phonetics, and later on French phonetics; the required books are: *Sweet:*

A Primer of Phonetics, *Beyer:* Französische Phonetik, and *Passy:* Le français parlé.

24. French Dialects. Graduate course; second term [2]. Professor Lewis. Lectures are given on the Franco-Norman and the Anglo-Norman dialects, and deal first with old Norman texts, and, later, with the modern patois of Normandy and the Channel Islands.

25, 26. Old French Text Criticism. Graduate course; both terms [2]. Professor Lewis. The object of this course is to teach the student how to edit an old French text from the manuscript.

## XVI. ITALIAN.

PROFESSOR HARPER, AND MR. AUSTIN.

1. Elementary Italian. Junior and Senior Elective; first term [2]. Mr. Austin. *Grandgent:* Grammar. Alfieri's Autobiography.

2. Dante: Inferno. Junior and Senior Elective; second term [2]. Professor Harper, and Mr. Austin.

3. Dante: Purgatorio. Senior Elective; first term [2]. Professor Harper.

4. Dante: Paradiso. Senior Elective; second term [2]. Professor Harper.

## XVII. SPANISH.

PROFESSOR LEWIS.

1, 2. Modern Spanish. Junior and Senior Elective; both terms [2]. Professor Lewis. *Edgren:* Spanish Grammar; *Loiseaux:* An Elementary Spanish Reader; *Alarcón:* El Capitán Veneno; *Maratin:* El si de las niñas.

3. Advanced Spanish. Senior Elective; first term [2]. Professor Lewis. Open to students who have satisfactorily completed courses 1 and 2. Class and collateral readings from modern authors.

4. Advanced Spanish. Senior Elective; second term [2]. Professor Lewis. Open to students who have satisfactorily completed course 3. Readings from Cervantes, Calderón, and Lope de Vega.

### XVIII. Biblical Literature.

THE PRESIDENT, AND MR. ARMSTRONG.

1, 2. The Gospels. Freshman and Sophomore Required; both terms [1]. The President.

3, 4. The Life of Christ. Junior and Senior Elective [2]. Students electing this course must take it through both terms. Mr. Armstrong.

## DEPARTMENT OF MATHEMATICS AND NATURAL SCIENCE.

### XIX. Mathematics.

PROFESSORS FINE, THOMPSON, AND LOVETT, MR. WILSON, DR. GILLESPIE, AND DR. EISENHART.

1a. Trigonometry. Freshman Required; first term [2]. Professor Thompson, Mr. Wilson, Dr. Gillespie, or Dr. Eisenhart.

3. Solid and Spherical Geometry and Mensuration. Freshman Required; first term [2]. Professor Thompson, Mr. Wilson, Dr. Gillespie, or Dr. Eisenhart. *Thompson:* Elementary Solid Geometry.

1b. Trigonometry and Theory of Equations, advanced course; or Synthetic Geometry. Open only to those who have passed the maximum mathematics for entrance. Freshman Elective (substitute for 1a or 3); first term [2]. Professor Thompson, Mr. Wilson, Dr. Gillespie, or Dr. Eisenhart.

4. Selected portions of Algebra and Elementary Theory of Equations. Freshman Required; second term [4]. Professor Fine, Mr. Wilson, Dr. Gillespie, or Dr. Eisenhart. *Fine:* College Algebra.

5. Conic Sections, treated from the Cartesian standpoint. Sophomore Required; first term [3]. Professor Thompson, Mr. Wilson, Dr. Gillespie, or Dr. Eisenhart. *Ashton:* Analytic Geometry.

7, 8. Differential and Integral Calculus. Sophomore Elective; both terms [2]. Professor Fine, and Dr. Eisenhart. *Osborne:* Diferential and Integral Calculus.

9, 10. Calculus and Elementary Differential Equations. Junior and Senior Elective; both terms [2]. Professor Fine. Lectures. *Murray:* Differential Equations.

11. Analytic Geometry of Three Dimensions; the plane, straight line, and quadric surface. Junior and Senior Elective; first term [2]. Professor Thompson. *C. Smith:* Solid Geometry.

12. Analytic Geometry of Three Dimensions; theory of surfaces and curves. Junior and Senior Elective; second term [2]. Professor Thompson. Lectures. *C. Smith:* Solid Geometry.

14. Analytical Mechanics. Junior and Senior Elective; second term [2]. Professor Loomis. *Ziwet:* Theoretical Mechanics.

15. Higher Plane Curves. Senior Elective and Seminary course; first term [2]. Professor Thompson.

16. Infinitesimal Geometry. Senior Elective and Seminary course; second term [2]. Professor Thompson. Lectures. *Bianchi.*

17, 18. Theory of Functions, elementary course. Senior Elective and Graduate course; both terms [2]. Professor Fine. Lectures. *Harkness and Morley.*

## MATHEMATICAL SEMINARY.

DIRECTOR, 1901–1902, PROFESSOR FINE.

19, 20. Lie's Transformation Groups with applications to differential equations and geometry. Seminary course; both terms [2]. Professor Lovett.

23, 24. Modern Analysis. Seminary course; both terms [2]. Professor Fine. *Picard.*

25, 26. Elliptic Functions. Seminary course; both terms [2]. Professor Thompson. (Given on application.)

27. Linear Differential Equations. Seminary course; first term [2]. Professor Lovett. (Given on application.)

28. Partial Differential Equations. Seminary course; second term [2]. Professor Lovett. *Goursat.* (Given on application.)

32. Theory of Invariants. Seminary course; second term [2]. Dr. Gillespie.

34. Theory of Substitutions. Seminary course; second term [2]. Dr. Gillespie. (Given 1900–1901.)

35, 36. Special Topics in Analysis. Seminary course; both terms [2]. Professor Fine.

37, 38. Special Topics in Metrical Geometry. Historical Readings. Seminary course; both terms [2]. Professor Thompson. Lectures. *Monge, Dupin, Gauss, Weingarten, Darboux, Bianchi.*

40. Finite and Infinitesimal Deformation of Surfaces; Congruences and Complexes. Seminary course; second term [2]. Dr. Eisenhart. Lectures. *Darboux, Bianchi, Weingarten, Kummer, Plücker.*

## XX. ASTRONOMY.

PROFESSORS YOUNG AND REED.

1. Elementary Astronomy. Lectures, recitations from text book. Junior Elective; first term [2]. Professor Young. *Young:* Elements of Astronomy (Revised edition).

3. General Astronomy. Extended course. Astronomical instruments and methods; determination of the principal astronomical constants; eclipses and their calculation; undisturbed planetary motion; spectroscopic astronomy. Lectures and recitations. Open to students of both academic and scientific departments who have satisfactorily completed course 1, and in Physics courses 2 and 3. Senior Elective; first term [2]. Professor Young. *Young:* General Astronomy, revised edition. (Not given 1901–2.)

5, 6. Practical Astronomy (elementary course); Determination of time, latitude and azimuth, work with the equatorial on double-stars, variable stars and the sun. Two class-room exercises with the necessary observatory work. Senior Elective (both academic and scientific) [2]. Professor Reed. *Campbell:* Practical Astronomy; also an elementary text book on spherical trigonometry.

7, 8. Celestial Mechanics. Lectures and collateral reading. Senior Elective and Graduate course; both terms [2]. Professor Lovett.

9, 10. Theoretical Astronomy and the calculation of orbits. Graduate course, both terms [1]. Professors Young and Reed. *Watson:* Theoretical Astronomy. *Oppolzer:* Bahnbestimmung. *Klinkerfues:* Theoretische Astronomie.

11, 12. Practical Astronomy (extended course). Special subjects more thoroughly developed than in courses 5, 6. Both terms [2]. Open to graduates. Professor Reed. *Chauvenet:* Practical Astronomy.

## XXI. PHYSICS.

PROFESSORS BRACKETT, MAGIE AND LOOMIS, AND MR. McCLENAHAN.

2. Elementary Mechanics; mechanics of masses and molecular mechanics. Sophomore Required; second term [2]. Professor Magie. *Anthony and Brackett:* Elementary Text-Book of Physics, Revision, 1896.

3. General Physics; molecular mechanics, sound, heat, electricity, light. Recitations and experimental lectures. Junior Required; first term [3]. Professor Magie. *Anthony and Brackett:* Elementary Text-Book of Physics, Revision, 1896.

4 I. Theory of Heat, lectures on thermodynamics and on its application to chemical physics. Given 1901–1902, alternating with 4 II. Junior and Senior Elective; second term [2]. Professor Magie.

4 II. Theory of Light with experimental demonstrations. Given 1902–1903, alternating with 4 I. Junior and Senior Elective; second term [2]. Professor Magie.

5. Theory of Electricity. Senior Elective; first term [2]. Professor Magie. *J. J. Thomson:* Elements of Electricity and Magnetism.

6. Analytical Mechanics. (Math. 14.) The elements of the subject, open to those who have taken Mathematics 7, 8. Junior and Senior Elective; second term [2]. Professor Loomis. *Ziwet:* Theoretical Mechanics.

7. Chemical Physics. The study of the modern theories of solutions. Senior Elective; first term [2]. Professor Loomis.

10. Practical Physics; experimental work in mechanics and heat, with collateral lectures and recitations. Junior and Senior Elective; second term [2]. Mr. McClenahan. *Ames and Bliss:* Manual.

11. Practical Physics, experimental work in electricity, with lectures on the theory of electrical measurements. Senior Elective; first term [2]. Mr. McClenahan. *Ames and Bliss:* Manual.

12. Practical Physics, experimental study of special subjects, and advanced measurements. Senior Elective; second term [2]. Mr. McClenahan.

13, 14. History of Natural Philosophy. Senior Elective; both terms [2]. Professor Brackett. Lectures.

15. Laboratory Practice; advanced measurements in heat and light, with lectures on research methods and collateral reading of original memoirs. Graduate course; first term. Professors Magie and Loomis.

16. Laboratory Practice; advanced measurements in electricity and magnetism, with lectures on research methods and collateral reading of original memoirs. Graduate course; second term. Professors Magie and Loomis.

17, 18. Mathematical Physics; heat, light, electricity and magnetism. Graduate course; both terms [2]. Professor Magie.

19, 20. Special Investigations. Graduate course; both terms. Professors Magie and Loomis.

(The physical laboratory is open throughout the week to graduate students.)

## XXII. CHEMISTRY.

PROFESSORS CORNWALL, McCAY, AND NEHER, DR. FOSTER, AND MR. HUDSON.

2. General Chemistry. Experimental lectures and written recitations. Sophomore Required; second term [3]. Professor McCay. *Newth:* Inorganic Chemistry.

3. General Chemistry. Theoretical chemistry and the elements of organic chemistry. Junior Elective; first term [2]. Professor McCay. *Remsen:* Organic Chemistry. *Dobbin and Walker:* Chemical Theory. *Meyer:* Outlines of Theoretical Chemistry.

5. Qualitative Analysis; introductory course, embracing a preliminary experimental study of the more important reactions made use of in analytical chemistry. Junior Elective; first term [4]. Professor Neher and Mr. Hudson. *Fresenius*, *Newth* and *Noyes*.

6. Qualitative Analysis; continuation of course 5, comprising the systematic analysis of complex mixtures, minerals, metallurgical products, etc., as well as the study of

the theory of analytical chemistry. Junior Elective; second term [4]; prerequisite, course 5. Professor Neher and Mr. Hudson. *Noyes*, *Fresenius*, and *Ostwald*.

7. Laboratory Chemistry: lectures, recitations, and laboratory work; qualitative analysis of simple salts; experimental chemistry; sugar, milk, drinking water, poisons, and the more important organic compounds. Senior Elective; first term [2]. Professor Cornwall. (Not open to students who have taken 5.)

9. Quantitative Analysis; the theory and practice of typical gravimetric and volumetric methods of analysis. Senior Elective; first term [4]; prerequisites, courses 5 and 6. Professor Neher. *Fresenius* and *Newth*.

10. Quantitative analysis; advanced course, the study of special analytical methods, including the analysis of organic compounds. Senior Elective; second term [2]; prerequisites, courses 5, 6 and 9. Professor Neher. *Fresenius*, *Sutton*, and *Gattermann*.

11. Organic Chemistry; the study of the properties, synthesis, and structure of the most important classes of carbon compounds of the aliphatic series. Lectures and recitations. Senior Elective; first term [2]; prerequisites, courses 5 and 6. Professor Neher. *Wade*, *Richter*, and *Meyer u. Jacobson*.

12. Organic Chemistry; aromatic compounds. Lectures and recitations. Senior Elective; second term [2]; prerequisites, courses 5, 6 and 11. Professor Neher. *Richter*.

14. Organic Chemistry; preparation and experimental study of typical carbon compounds. Lectures and laboratory work. Senior Elective; second term [4]; prerequisites, courses 5, 6, 9 and 11. Professor Neher. *Gatterman*, *Noyes*, and *Erdmann*.

A fee of $10 is charged in each of courses 5, 6, 7, 9, 10, and 14; furthermore apparatus deposits are required as follows: courses 5 and 6, $10 per term; course 7, $6 per term; courses 9, 10 and 14, $15 per term.

## XXIII. Physical Geography.

PROFESSOR LIBBEY AND DR. ORTMANN.

2. Physical Geography. (a) Morphology of the continents. (b) Oceanography. Junior Elective; second term [2]. Professor Libbey. *Guyot:* Physical Geography. *Tarr:* Elementary Physical Geography. *Mill:* Realm of Nature.

4. Physical Geography. (c) Climatology. Senior Elective; second term [2]; Professor Libbey. *Guyot:* Physical Geography. *Davis:* Elementary Meteorology.

6. Physical Geography. The Distribution of Life. Senior Elective; second term [2]. Dr. Ortmann. *Wallace:* Geographical distribution of animals. *Drude:* Pfanzen-geographie. *Walther:* Bionomie des Meeres. *Ortmann:* Grundzuge der Marinen Thier-geographie.

8. Physical Geography. (d) The Relation of the Earth to the History of Mankind. Senior Elective and Graduate course (open to those who have taken Geology 2, 3, 4, or Physical Geography 2 and 4); second term [2]. Professor Libbey.

## XXIV. Geology.

PROFESSOR SCOTT, DR. ORTMANN, AND DR. FARR.

2. Geology, elementary course; general outline of the subject, including dynamical, structural, and historical geology. Junior Elective, except for those who elect 3, 4; second term [2]. Professor Scott. *Scott:* Introduction to Geology.

3, 4. Physical Geology. Advanced course in dynamical, structural and physiographical geology, with provision for laboratory and field work and excursions. Junior Elective; both terms [2]. Professor Scott and Dr. Farr. *Scott:* Introduction to Geology. *Green:* Geology for Students. *Dana:* Manual of Geology.

5, 6. Historical Geology. Advanced course; the detailed study of the geological periods, their distribution, stratigraphy and palæontology. Laboratory and field work and excursions, in addition to the lectures. Senior Elective; both terms [2]. Professor Scott and Dr. Ortmann. *Scott:* Introduction to Geology. *Dana:* Manual of Geology. *Kayser:* Text-Book of Comparative Geology.

Students taking Geology 3, 4, or 5, 6 may elect the course Advanced Mineralogy, under Applied Chemistry and Mineralogy.

## XXV. Biology.

PROFESSORS MACLOSKIE, SCOTT, RANKIN, McCLURE, AND DAHLGREN.

3. General Biology. Lectures on the principles of biological science, with laboratory work. Junior Elective; first term [2]. Professor Rankin. *Sedgwick and Wilson:* General Biology. *Parker and Haswell:* A Manual of Zoology.

4. Practical Botany. Laboratory work in vegetable anatomy, histology, and medical botany. Junior Elective; second term [2]. Professors Macloskie and Rankin. *Bower:* Practical Botany. *Spalding:* Introduction to Botany.

6. Vertebrate Anatomy. Lectures and dissections of vertebrates. Junior Elective; second term [2]. Professor McClure. *Marshall and Hurst:* Practical Zoology. *Parker and Haswell:* Text-Book of Zoology, Vol. II.

8. Invertebrate Morphology. Junior and Senior Elective; second term [2]. Professors Macloskie and Rankin. (Permission of the Professors required.)

10. Normal Histology. Lectures, demonstrations, and laboratory practice in microscopical anatomy. Junior and Senior Elective; second term [2]. Professor Dahlgren. *Schaefer, Prudden, Piersol.*

11. Comparative Osteology. Lectures and study of skeletons in the museum. For students contemplating the medi-

cal profession. Senior Elective; first term [2]. Professors Macloskie and Scott. *Flower:* Osteology of the Mammalia. *Reynolds:* The Vertebrate Skeleton.

12. Practical Histology. Practical work in hardening, injection, section cutting, etc., involved in histology. Study of the histology of the eye, ear, teeth, and nervous system. Spermatogenesis and ovogenesis. Senior Elective (open only to those who have taken 10 in the Junior year); second term [2]. Professor Dahlgren. *Whitman, Lee.*

13. Physiology. Lectures on methods and results, including the functions of the body in health and disease. Senior Elective; first term [2]. Professor Macloskie. *Kirkes:* Handbook of Physiology. *Foster:* Physiology.

14. Embryology of Vertebrates; lectures and laboratory work. Senior Elective; second term [2]. Professor McClure. *Hertwig:* Embryology. *Minot:* Human Embryology.

15. Mammalian Anatomy; lectures and laboratory work. Senior Elective; first term [2]. Professor McClure.

17, 18. Palæontology; morphology of the extinct vertebrates and phylogeny of existing forms. Senior Elective; both terms [2]. Professor Scott and Dr. Farr. *A. S. Woodward:* Text Book of Palæontology.

19. The Nervous System and its terminal organs. Senior Elective; firm term [2]. Professor McClure. Lectures and laboratory work. *Edinger, Obersteiner.*

22. (Ment. Phil. 22.) Theories of Heredity and Descent. General treatment by lectures on the important questions in evolution. Senior Elective and Graduate course; second term [2]. Professor Baldwin. References: *Conn, Headley.*

23. Cytology. Lectures and practical study of the cell and its organs. Spermatogenesis and differentiation of the somatic cells. Methods of research. Graduate course; first term. Professor Dahlgren. *Wilson, Hertwig.*

24. Comparative Histology and Histogenesis. Lectures and practical study of the tissues in the classes of verte-

brates, and of examples of primitive tissues in some invertebrates and plants. Histogenesis of several vertebrate tissues. Methods of research. Graduate course; second term [2]. Professor Dahlgren. *Minot, Opel.*

Students entering for *Special Honors in Biology* must pursue 3–6, and 10–15 inclusive, and may also take course 8, under the usual regulations of Special Honor Work. To fill the six hours elective work Seniors may elect Laboratory Chemistry, or Practical Physics, first term.

In courses 6, 14, and 15 a small fee is charged to cover the cost of dissecting materials and reagents.

In course 10 a fee of $5 and in course 12 a fee of $10 is charged to cover materials and specimens used. Each student retains the specimens mounted by him as well as a set given him by the laboratory to study.

In courses 23 and 24 a fee of $15 covers the expenses of both courses.

Students who contemplate entering the medical profession may combine the electives in Biology and Chemistry, so as to receive when graduating a special certificate recommending them to medical colleges which have a four years' course.

## XXVI. ARCHITECTURE.

MR. BUTLER.

1 and 2. Elements of Architecture. The origin, development and historical relations of the classic orders. Historical and technical study of the orders from the text of Vitruvius and from reproductions of extant examples. Senior elective [2]; both terms. Mr. Butler.

3 and 4. Ecclesiastical Architecture from the fourth to the twelfth century. Requires elementary knowledge of the history of Christian art and of mediæval history, and ability to read French. (To be supplemented later by 5, 6. Ecclesiastical Architecture from the twelfth to the sixteenth century.) Graduate course [2]; both terms. Mr. Butler.

# EXHIBIT OF STUDIES FOR 1901–1902.

NOTE.—The numbers indicate hours per week.
Each elective course takes two hours weekly, except in special cases.

## FRESHMAN YEAR.

### REQUIRED.

| *First Term.* | | *Second Term.* | |
|---|---|---|---|
| Latin | 4 | Latin | 4 |
| Greek | 4 | Greek | 4 |
| Mathematics | 4 | Mathematics | 4 |
| English | 2 | English | 2 |
| | 14 hours. | | 14 hours. |

### ELECTIVE.

(Students to take one Elective—2 hours.

| | | | |
|---|---|---|---|
| German | 2 | German | 2 |
| French | 2 | French | 2 |
| | 16 hours. | | 16 hours. |

## SOPHOMORE YEAR.

### REQUIRED.

| *First Term.* | | *Second Term.* | |
|---|---|---|---|
| Latin | 2 | Latin | 2 |
| Greek | 2 | Greek | 2 |
| Mathematics | 3 | Mechanics | 2 |
| History | 2 | Chemistry | 3 |
| English | 2 | Logic | 2 |
| | 11 hours. | | 11 hours. |

## ELECTIVE.

(Students to take two Electives—4 hours.)

| | | | |
|---|---|---|---|
| Latin | 2 | Latin | 2 |
| Greek | 2 | Greek | 2 |
| Mathematics | 2 | Mathematics | 2 |
| French | 2 | French | 2 |
| German | 2 | German | 2 |
| | 15 hours. | | 15 hours. |

## JUNIOR YEAR.

### REQUIRED.

| *First Term.* | | *Second Term.* | |
|---|---|---|---|
| Physics | 3 | Ethics | 2 |
| Psychology | 2 | Political Economy | 3 |
| | 5 hours. | | 5 hours. |
| Five Electives | 10 hours. | Five Electives | 10 hours. |
| | 15 hours. | | 15 hours. |

### JUNIOR ELECTIVE COURSES.

The Elective Courses in *Italics* are open to both Juniors and Seniors. Those in Roman type are open to Juniors only.

As some of these courses are given at the same hours, they are mutually exclusive. These exclusions in Elective courses are shown in the weekly schedules on the following pages:

| *First Term.* | *Second Term.* |
|---|---|
| PHILOSOPHY. | |
| *History of Philosophy* | *History of Philosophy* |
| *Theory of Logic* | *Plato* |
| | Exper. Psych. |
| | Symb. Logic and Th. of Prob. |
| HISTORY, JURISPRUDENCE, AND POLITICS. | |
| History 7 | History 8 |
| *History* 9 | *History* 10 |
| History 4 | History 5 |
| (*History* 11) | *Jur. & Pol.* 2 |
| *Jur. & Pol.* 1 | |

## ARCHÆOLOGY AND ART.

*Art* 1

*Art* 2

## CLASSICS.

*Greek* 9
Juvenal
Latin 11

*Plato*
Seneca

## ENGLISH.

English Lit. 5
English Lit. 7
*Old English*

English Lit. 6
English Lit. 8
*Old & Mid. Eng.*

## MODERN LANGUAGES.

German
*French Literature*
S. S. French
*Italian* 1
*Spanish* 1

German
*French Literature*
S. S. French
*Italian* 2
*Spanish* 2

## BIBLE.

*Bible*

*Bible*

## MATHEMATICS.

*Diff. Equations*
*Geometry*

*Diff. Equations*
*Geometry*
*Anal. Mech.*

## PHYSICAL SCIENCE.

Astronomy 1
Theor. & Org. Chem.
Qualitative Analysis

*Anal. Mech.*
*Physics* 4
*Practical Physics*
Qualitative Analysis

## NATURAL SCIENCE.

Biology 3
Geology 3

Practical Botany
Geology 4
Geology 2
*Histology* 10
Vert. Anatomy 6
(*Invertebrate Morphology* 8)
Physical Geography

## SENIOR YEAR.

| *First Term.* | | *Second Term.* | |
|---|---|---|---|
| Seven Electives | 14 hours. | Seven Electives | 14 hours. |

### ELECTIVE COURSES.

The elective courses in *Italics* are open to both Juniors and Seniors. Those in Roman type are open to Seniors only.

As some of these courses are given at the same hours, they are mutually exclusive. These exclusions in Elective courses are shown in the weekly schedules on the following pages:

### SENIOR ELECTIVE COURSES.

| *First Term.* | *Second Term.* |
|---|---|
| **PHILOSOPHY.** | |
| *History of Philosophy* | *History of Philosophy* |
| Physiological Psychology | Psychology of Logic |
| Aristotle | *Plato* |
| Theism | |
| Epistemology | Metaphysics |
| Experimental Psychology | Experimental Psychology |
| Adv. General Psychology | Adv. General Psychology |
| Lucretius | Cicero |
| History of English Ethics | Science and Religion |
| | Heredity and Descent |
| **HISTORY, JURISPRUDENCE, AND POLITICS.** | |
| *History* 4 | *History* 5 |
| *History* 9 | *History* 10 |
| History 13 | History 14 |
| (*History* 11) | History 16 |
| History 15 | History 18 |
| *Jur. & Pol.* 1 | *Jur. & Pol.* 2 |
| English Common Law | English Common Law |
| Roman Law | Roman Law |
| *Contemp. Pol.* | Exp. of Europe |
| Pol. Econ. & Soc. 3 | Pol. Econ. & Soc. 4 |
| Pol. Econ. & Soc. 5 | Pol. Econ. & Soc. 6 |
| (Pol. Econ. & Soc. 7) | (Pol. Econ. & Soc. 8) |
| (Pol. Econ. & Soc. 9) | (Pol. Econ. & Soc. 10) |

## ARCHÆOLOGY AND ART.

| | |
|---|---|
| *Art* 1 | *Art* 2 |
| Art 3 | Art 4 |
| (Art 9) | (Art 10) |

## CLASSICS (WITH SANSKRIT).

| | |
|---|---|
| Sanskrit 1 | Sanskrit 2 |
| *Greek* 9 | *Greek* 10 |
| Greek 13 | *Greek* 12 |
| Greek 15 | Greek 14 |
| Greek 19 | Greek 16 |
| (Greek 21) | Greek 20 |
| Greek 27 | (Greek 22) |
| Latin 13 | Greek 28 |
| Latin 15 | Latin 14 |
| Latin 19 | Latin 16 |
| Roman Law | Latin 20 |
| | Roman Law |
| | (Latin 30) |

## ENGLISH.

| | |
|---|---|
| *Old Engl.* | *Old & Mid. English* |
| American Lit. | Interp. of Lit. |
| English 13 | |
| English 15 | |

## MODERN LANGUAGES.

| | |
|---|---|
| German 13 | German 14 |
| (German 15) | (German 16) |
| (German 17) | (German 18) |
| *French Literature* | *French Literature* |
| S. S. French | S. S. French |
| Old French | Old French |
| *Italian* 1 | *Italian* 2 |
| Italian 3 | Italian 4 |
| *Spanish* 1 | *Spanish* 2 |
| Spanish 3 | Spanish 4 |

## BIBLE.

| | |
|---|---|
| *Bible* | *Bible* |

## MATHEMATICS.

| | |
|---|---|
| *Diff. Equations* | *Diff. Equations* |
| *Geometry* 11 | *Geometry* 12 |
| Geometry 15 | Geometry 16 |
| Theory of Functions | Theory of Functions |
| | *Analytical Mechanics* |

## PHYSICAL SCIENCE.

| | |
|---|---|
| Astronomy 3 | *Analytical Mechanics* |
| Practical Astronomy | Practical Astronomy |
| Physics 5 | *Physics* 4 |
| Practical Physics | Practical Physics |
| History Nat. Phil. | History Nat. Phil. |
| Laboratory Chemistry | |
| Quantitative Analysis | Quantitative Analysis |
| Organic Chemistry | Organic Chemistry 12 |
| Chemical Physics | Organic Chemistry 14 |

## NATURAL SCIENCE.

| | |
|---|---|
| | Physical Geography |
| Geology | Geology |
| Physiology | Embryology |
| Compar. Osteology | *Histology* 10 |
| Mammalian Anatomy | Practical Histology 12 |
| Palæontology | Palæontology |
| Nervous System | (*Invertebrate Morphology*) |

## ACADEMIC FRESHMAN FIRST TERM SCHEDULE—1901–1902.

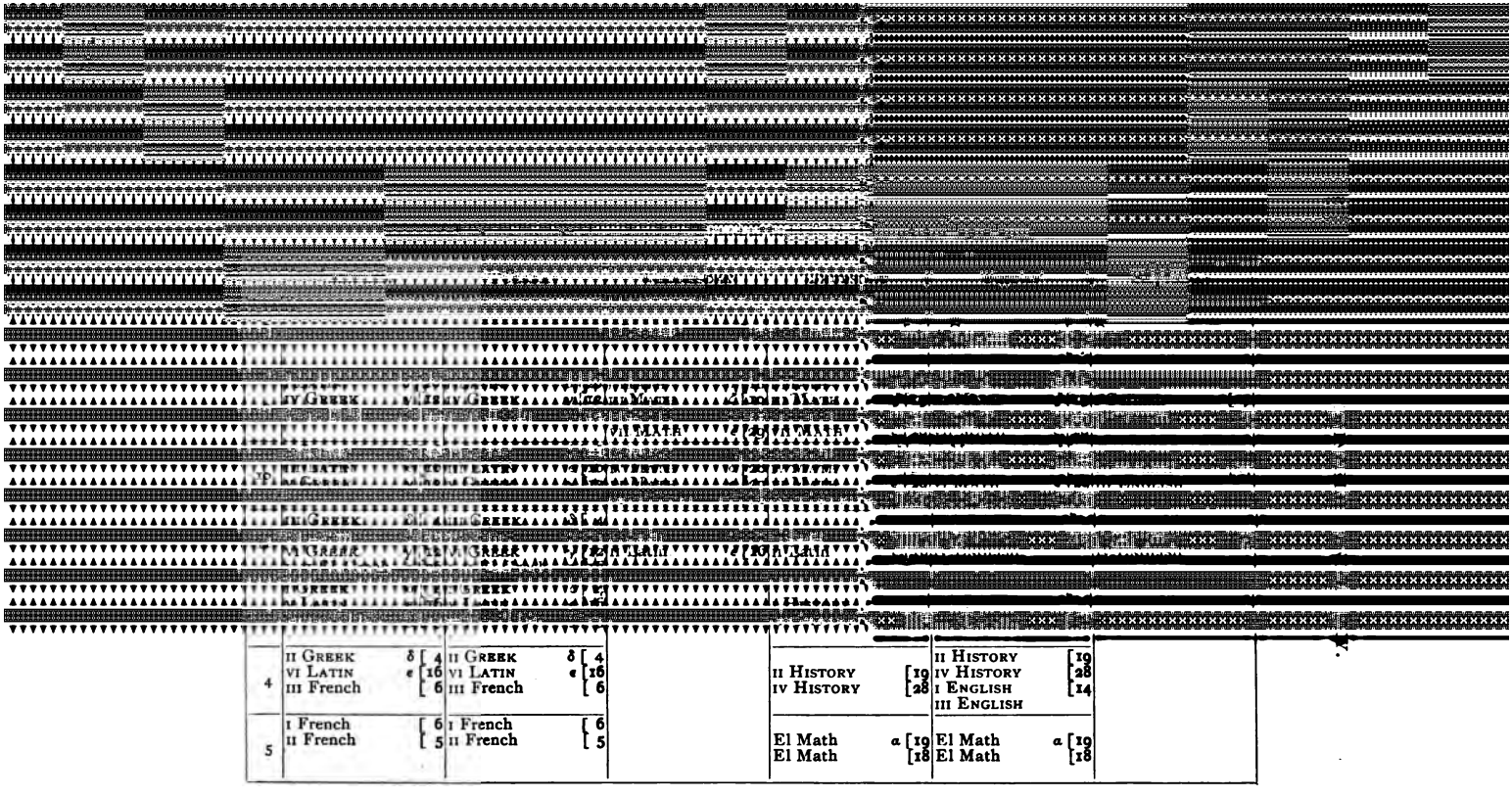
| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 8 | | I French [ 6<br>IV German [ 5 | II French [ 6<br>IV German [ 5 | III French [ 6<br>VI German [ 5 | I Cic ζ [17<br>III L P ε [16<br>V Greek 3 η [12<br>VII Cic θ [26 | BIBLE |
| 9 | Math 1b δ [28 | III French [ 6<br>VI German [ 5 | I French [ 6<br>V German [ 5 | II French [ 6<br>V German [ 5 | II Cic ζ [17<br>IV L P ε [16<br>VI Greek 3 η [12<br>VIII Cic θ [26 | II L P ζ [17<br>IV Cic η [16<br>VI Greek 1 ζ [ 4<br>VII Greek 1 η [12 |
| 10 | I Math 1 β [18<br>III Math 1 δ [28<br>V Math 1 ε [29<br>VII Math 1 ζ [19 | I Math 1 β [18<br>III Math 1 δ [28<br>V Math 1 ε [29<br>VII Math 1 ζ [18 | I Greek 1 ζ [12<br>III Greek 3 η [ 4<br>V, VII R H δ [26 | II, IV R H δ [26<br>III Greek 1 η [12<br>V Greek 1 ζ [ 4<br>I L P ζ [17 | I Greek 3 ε [26<br>III Cic η [16<br>V Cic ζ [17<br>VII Greek 1 η [12 | I Greek 3 ε [26<br>III Greek 1 η [12<br>V L P ζ [17<br>VIII L P ε [16 |
| 11 | II Math 1 δ [28<br>IV Math 1 ε [29<br>VI Math 1 ζ [19<br>VIII Math 1 β [18 | II Math 1 δ [28<br>IV Math 1 ε [29<br>VI Math 1 ζ [19<br>VIII Math 1 β [18 | II Greek 1 ζ [12<br>IV Greek 3 η [ 4<br>VI, VIII R H δ [26 | I, III R H δ [26<br>IV Greek 1 η [12<br>VI Greek 1 ζ [ 4 | II Greek 3 ε [26<br>IV Cic η [16<br>VI Cic ζ [17 | II Greek 3 ε [26<br>III Cic η [ 6<br>IV Greek 1 η [12<br>V Greek 1 ζ [ 4<br>VI L P ζ [17<br>VII L P ε [16 |
| 3 | Math 1 b δ [28 | Math 1 b δ [28 | | English | English | |
| 4 | I Math 1 β [18<br>III Math 1 δ [18<br>V Math 1 ε [29<br>VII Math 1 ζ [19 | I Math 1 β [18<br>III Math 1 δ [28<br>V Math 1 ε [29<br>VII Math 1 ζ [19 | | I Cic ζ [17<br>V Greek 3 η [12<br>VII Greek 3 ε [26 | I Greek 1 ζ [ 4<br>III Greek 3 η [12<br>V Cic ζ [17<br>VII Greek 3 ε [26 | |
| 5 | II Math 1 δ [28<br>IV Math 1 ε [29<br>VI Math 1 ζ [19<br>VIII Math 1 β [18 | II Math 1 δ [28<br>IV Math 1 ε [29<br>VI Math 1 ζ [19<br>VIII Math 1 β [18 | | II Cic ζ [17<br>VI Greek 3 η [12<br>VIII Cic θ [16 | II Greek 1 ζ [ 4<br>IV Greek 3 η [12<br>VI Cic ζ [17<br>VII Cic θ [16 | |

Roman numerals indicate divisions, Arabic numerals after brackets indicate rooms.

## ACADEMIC FRESHMAN SECOND TERM SCHEDULE—1901-1902.

| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 8 | | I French [6<br>IV German [5 | II French [6<br>IV German [5 | III French [6<br>VI German [5 | I Tac ε [16<br>VII Mem η [13 | Bible |
| 9 | | III French [6<br>VI German [5 | I French [6<br>V German [5 | II French [6<br>V German [5 | II Mem η [13<br>III, IV R H δ [26<br>V Tac ζ [17 | I Herod ζ [26<br>II Tac ζ [17<br>IV Tac η [16<br>VI Herod δ [4<br>VII Mem η [13 |
| 10 | I Math 4 α [19<br>III Math 4 δ [28<br>V Math 4 ζ [18<br>VII Math 4 ε [29 | I Math 4 α [19<br>III Math 4 δ [28<br>V Math 4 ζ [18<br>VII Math 4 ε [29 | I Tac ε [16<br>III Tac ζ [17<br>V Mem η [13 | I Tac ε [16<br>III Herod ζ [4<br>V Mem η [13 | I Mem η [13<br>III Tac ζ [17<br>VI, VII a R H δ [26 | II Herod ζ [26<br>III Tac ζ [17<br>IV Mem η [13<br>V Herod δ [4<br>VI Tac η [16 |
| 11 | II Math 4 ε [29<br>IV Math 4 δ [28<br>VI Math 4 ζ [18<br>VIII Math 4 α [19 | II Math 4 ε [29<br>IV Math 4 δ [28<br>VI Math 4 ζ [18<br>VIII Math 4 α [19 | II Tac ζ [17<br>IV Herod ζ [4<br>VI Mem η [13<br>VII Tac ε [16 | II Tac ζ [17<br>IV Herod ζ [4<br>VI Mem η [13<br>VII Tac ε [16 | II Mem η [13<br>IV Tac ζ [17<br>VI Herod δ [4<br>V, VII b R H δ [26 | I Mem η [13<br>III Herod ζ [26<br>V Tac η [16<br>VII Herod δ [4 |
| 3 | | | | English | English | |
| 4 | I Math 4 α [19<br>III Math 4 δ [28<br>V Math 4 ζ [18<br>VII Math 4 ε [29 | I Math 4 α [19<br>III Math 4 δ [28<br>V Math 4 ζ [18<br>VII Math 4 ε [29 | | I Herod ζ [4<br>III Mem η [13<br>V Tac ζ [17<br>VII Tac ε [16<br>English | I, II R H δ [26<br>IV Tac ζ [17<br>V Herod δ [4<br>English | |
| 5 | II Math 4 ε [29<br>IV Math 4 δ [28<br>VI Math 4 ζ [18<br>VIII Math 4 α [19 | II Math 4 ε [29<br>IV Math 4 δ [28<br>VI Math 4 ζ [18<br>VIII Math 4 α [19 | | II Herod ζ [4<br>IV Mem η [13<br>VI Tac ζ [17<br>English | III Mem η [13<br>VI Tac ζ [17<br>VII Herod δ [4<br>English | |

Roman numerals indicate Divisions. Arabic numerals after Brackets indicate rooms.



| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | II Greek<br>VI Latin<br>III French | δ [ 4<br>ε [16<br>[ 6 | II Greek<br>VI Latin<br>III French | δ [ 4<br>ε [16<br>[ 6 | II History<br>IV History | [19<br>[28 | II History<br>IV History<br>I English<br>III English | [19<br>[28<br>[14 |
| 5 | I French<br>II French | [ 6<br>[ 5 | I French<br>II French | [ 6<br>[ 5 | El Math<br>El Math | α [19<br>[18 | El Math<br>El Math | α [19<br>[18 |

Required studies in Small Capitals. Roman Numerals indicate divisions, Arabic numerals after brackets indicate rooms. Divisions independent in Required Classics and Required Mathematics. History takes English divisions.

## ACADEMIC SOPHOMORE SECOND TERM SCHEDULE—1901-1902.

| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 8 | | III GREEK γ [12 | I Latin γ [16<br>II Latin ε [17 | I Latin γ [16<br>II Latin ε [17 | I German [ 5<br>III German [ 7 | BIB |
| 9 | | I GREEK γ [12 | I CHEM<br>III Greek γ [12 | I CHEM | I CHEM<br>IV German | I German [ 5<br>III German [ 7 |
| 10 | V GREEK ζ [ 4 | II GREEK γ [12<br>V GREEK ζ [ 4 | II Greek γ [12 | IV German | II MECH<br>II German [ 5 | II MECH<br>II German [ 5 |
| 11 | II, IVb LATIN ε [26<br>III GREEK ε [13<br>I, IVa LATIN η [14<br>VI GREEK ζ [ 4 | II, IVb LATIN ε [26<br>III GREEK ε [13<br>I, IVa LATIN η [14<br>VI GREEK ζ [ 4 | II CHEM<br>I Greek γ [12 | II CHEM | II CHEM<br>I MECH | I MECH |
| 3 | I GREEK ε [12 | I GREEK ζ [12 | | I LOGIC [ 8 | I LOGIC [ 8 | |
| 4 | II GREEK ε [12<br>IV GREEK δ [ 4<br>VI, VB LATIN η [14<br>III, VA LATIN ε [26<br>II French [ 6 | II GREEK ε [12<br>IV GREEK δ [ 4<br>VI, VB LATIN η [14<br>III, VA LATIN ε [26<br>II French [ 6 | | II LOGIC [ 8<br>II Math [19 | II LOGIC [ 8<br>II Math [19 | |
| 5 | I French [ 5<br>III French [ 6 | I French [ 5<br>III French [ 6 | | I Mat [19 | I Math [19 | |

Required Studies in SMALL CAPITALS. Roman numerals indicate divisions, Arabic numerals after brackets indicate rooms. Chemistry and Logic take Mechanics divisions.

| | | | | | |
|---|---|---|---|---|---|
| 4 | I PHYSICS | I PHYSICS | | *Aeschylus*<br>Adv Logic<br>*Bible* | *Aeschylus*<br>Adv Logic<br>*Bible* |
| 5 | II PHYSICS<br>Roman Elegy [17 | II PHYSICS<br>Rom Elegy [17 | | Geology | Geology |

Required studies in SMALL CAPITALS. Electives in *Italics* open to Juniors and Seniors.
Electives in Roman open to Juniors only. Electives scheduled at the same hour are mutually exclusive.

| | | | | | |
|---|---|---|---|---|---|
| 4 | | | | | |
| 5 | (Pol Econ) | (Pol Econ) | | Geology 4<br>*Anal Mech* | Geology 4<br>*Anal Mech* |

Required studies in Small Capitals. Electives in *Italics* open to Juniors and Seniors. Electives in Roman open to Juniors only. Electives scheduled at same hour are mutually exclusive.

Spenser & Milton, not given 1900–1901. Shakespeare, given by Professor Harper.

| | | | | |
|---|---|---|---|---|
| | Mamm Anat [13 | Mamm Anat [13 | *Diff Equations* | *Diff Equations* |
| 4 | Art 3<br>Astronomy 3<br>Eng Com Law [14 | Art 3<br>Astronomy 3<br>Eng Com Law [14 | Geology<br>Art 9<br>*Bible*<br>Italian 3<br>*Aeschylus* | Geology<br>Art 9<br>*Bible*<br>Italian 3<br>*Aeschylus* |
| 5 | Sociology<br>Spanish 3 | Sociology<br>Spanish 3 | Chemistry 9<br>German 17<br>El of Epist | Chemistry 9<br>German 17<br>El of Epist |

Electives in *Italics* open to Juniors and Seniors. Electives in Roman open to Seniors only. Electives scheduled at same hour are mutually exclusive. The hours for Chemical Physics will be arranged later.

| | | | | | |
|---|---|---|---|---|---|
| 5 | Sanskrit<br>Metaphysics | Sanskrit<br>Metaphysics | | Pol Econ 6<br>Italian 4<br>*Anal Mech*<br>Chemistry 10<br>Ment Phil 22 | Pol Econ 6<br>Italian 4<br>*Anal Mech*<br>Chemistry 10<br>Ment Phil 22 |

Electives in *Italics* open to Juniors and Seniors. Electives in Roman open to Seniors only. Electives scheduled at the same hour are mutually exclusive.

English Lit 14, given by Professor Henry van Dyke. Jur & Pol 6, given by Professor Finley. Pol Econ 4, given by Professor Daniels. Pol Econ 6, given by Professor Wyckoff.

# JOHN C. GREEN SCHOOL OF SCIENCE.

## FACULTY.

FRANCIS LANDEY PATTON, D.D., LL.D., *President.*

CYRUS FOGG BRACKETT, M.D., LL.D., *Henry Professor of Physics.*

HENRY BEDINGER CORNWALL, E.M., PH.D., *Professor of Applied Chemistry and Mineralogy.*

GEORGE MACLOSKIE, LL.D., D.SC., *Professor of Biology.*

CHARLES MCMILLAN, A.M., C.E., *Professor of Civil Engineering and Applied Mathematics.*

CHARLES GREENE ROCKWOOD, JR., PH.D., *Professor of Mathematics.*

FREDERICK NEWTON WILLSON, A.M., C.E., *Professor of Descriptive Geometry, Stereotomy and Technical Drawing.*

HERMANN CARL OTTO HUSS, PH.D., *Professor of Modern Languages and Literature.*

LEROY WILEY MCCAY, D.SC., *Professor of Chemistry.*

HERBERT STEARNS SQUIER SMITH, C.E., *Professor of Applied Mechanics.*

WALTER BUTLER HARRIS, C.E., *Professor of Geodesy.*

EDWIN SEELYE LEWIS, PH.D., *Professor of Romance Languages.*

ELMER HOWARD LOOMIS, PH.D., *Professor of Physics.*

EDGAR ODELL LOVETT, PH.D., *Professor of Mathematics.*

WALTER MEAD RANKIN, PH.D., *Professor of Invertebrate Zoology.*

CHARLES FREEMAN WILLIAMS MCCLURE, A.M., *Professor of Comparative Anatomy.*

THOMAS MARC PARROTT, PH.D., *Assistant Professor of English.*

ALEXANDER HAMILTON PHILLIPS, D.Sc., *Assistant Professor of Mineralogy.*

FRED NEHER, A.M., *Assistant Professor of Analytical and Organic Chemistry.*

WALTER AUGUSTUS WYCKOFF, A.M., *Assistant Professor of Political Economy.*

WILLIAM MAXWELL REED, *Assistant Professor of Astronomy.*

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## ADDITIONAL INSTRUCTORS.

JOHN MILTON BROOKS, A.M., *Instructor in Mathematics.*

HERBERT FOWLER SILL, M.S., *Instructor in Analytical Chemistry.*

GEORGE MADISON PRIEST, A.M., *Instructor in German.*

WILLIAM HENRY MCLAUCHLAN, M.S., *Assistant in General Chemistry.*

CHARLES ALEXANDER ROBINSON, A.M., *Instructor in Latin.*

HOWARD MCCLENAHAN, E.E., M.S., *Instructor in Physics and Assistant in Electrical Engineering.*

PHILIP HUDSON CHURCHMAN, A.B., *Instructor in French.*

JOHN STOUT VAN NEST, M.S., *Assistant in Chemistry and Mineralogy.*

CHARLES FREDERICK SILVESTER, *Assistant in Anatomy.*

WILLIAM KOREN, A.M., *Instructor in Modern Languages.*

EMERY J. WILSON, A.B., *Instructor in Graphics.*

LOUIS O'NEILL MELLINGER, C.E., *Instructor in Civil Engineering.*

JOSEPH WILLIAM LESTER JONES, PH.D., *Instructor in German.*

# TERMS OF ADMISSION.

## ENTRANCE EXAMINATIONS.

All candidates for examination in Princeton must report at the Faculty room in the University Offices the evening before the examination begins or on their arrival the following morning. The first examination for admission will begin in Princeton on Thursday, June 12th, 1902, at 9 A. M., and will continue through the afternoon of Friday. The second will begin on Tuesday, September 16th, 1902, at 10 A. M., and continue through the afternoon of Wednesday. Applicants who have conditions or other deficiencies from the June examination are expected to remove them at the September examination. *Attendance is required at the beginning of the examinations.*

Simultaneously with the June entrance examinations in Princeton, examinations are held in the cities of New York, Philadelphia, Pittsburgh, Albany, Buffalo, Chicago, Cincinnati, Cleveland, Columbus, Denver, Des Moines, Erie, Harrisburg, Indianapolis, Kansas City, Louisville, Newark, Omaha, Portland, Ore., St. Louis, St. Paul, San Antonio, Scranton, Syracuse, Washington, Wilkes Barre; and at preparatory schools and other cities when necessary. The precise places in which the examinations are to be held can be learned by application to the Registrar. Due notice of these examinations will also be published in leading local newspapers for several weeks in advance.

Examinations at other times and places than those specified are very inconvenient and often impracticable, and applicants for examination on other than the regular days

must obtain previous permission by writing to the Registrar, and are required to pay $10 into the treasury.

All candidates for admission must bring satisfactory testimonials of good moral character, preferably from their last instructors, and if the candidate has been a member of another college, university or similar institution, he must produce a certificate from its President or Faculty that he is free from censure in the same.

Each applicant for admission should be provided with a statement, signed by his teacher, as to his fitness to be examined in each of the subjects specified in the following list which he offers. This statement is merely for the information of the examiners, and is in no sense an admission certificate.

Candidates for admission to the Freshman class must be at least sixteen years of age.

No candidate is admitted into the Undergraduate Department without an examination and a vote of the Faculty.

## Preliminary Examinations.

At the examinations in June and September, candidates intending to enter the Freshman class one year later are admitted to examination in a portion of the subjects required for entrance. Certificates as to preparation in the subjects in which the candidate wishes to be examined should be presented.

## Freshman Entrance Requirements.

It is recommended that candidates be prepared for examination on the requirements as specified, but equivalents will be accepted.

Candidates for the course leading to the degree of Bachelor of Science are required to pass examinations in **1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13,** of the following list of subjects;

candidates for the course of civil engineering are required to pass examinations in 1, 2, 3, 4, 5, 6, 12, 13.

1. *English.* The same as for the Academic department.

2. *Arithmetic.* Including only greatest common divisor and least common multiple; vulgar and decimal fractions; percentage apart from its commercial applications; square root; the metric system of weights and measures. Special emphasis is laid upon accuracy and facility in reckoning.

3. *Algebra.* Through quadratic equations involving two unknown quantities; including evolution, radicals and fractional and negative exponents.

4. *Algebra.* Indeterminate equations of the first degree, ratio and proportion, variation, arithmetical and geometrical progression, undetermined coefficients, and the binomial theorem with any exponent.

5. *Plane Geometry.*

6. *Solid Geometry.* Including the cylinder and cone.

8. *Latin Grammar.* The inflections; the simpler rules for composition and derivation of words; syntax of cases and verbs; the structure of the sentence in general, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive.

9. *Latin Composition.* Translation into Latin of simple sentences based upon the first book of Cæsar.

10. *Cæsar.* The first five books of the Gallic War.

11. *Cicero.* The four orations against Catiline or equivalents from other Latin authors.

12. *French.* The examination will be upon the general principles of grammar and of syntax, and the irregular verbs; upon the ability to render into French English sentences illustrating these principles and verbs, and upon the translation at sight of easy French prose.

13. *German.* The examination will be upon the general principles of grammar [*Whitney:* pp. 23–153 and 278–284; or *Joynes-Meissner:* pp. 1–198; or *Thomas:* pp. 1–271; *Huss:*

pp. 9–101 of the Theoretical Part, the sections with heavy-faced references only]; and the ability to translate easy prose: such as *Grimm's* Märchen (Otis's edition, pp. 1–49), or *Boisen's* German Prose (pp. 3–51), or *Joynes's* German Reader, Part II and pp. 85–110 of Part IV.

It is recommended that all candidates should receive instruction in free-hand drawing before their entrance.

NEW FRESHMAN ENTRANCE REQUIREMENTS FOR THE COURSE LEADING TO THE DEGREE OF BACHELOR OF SCIENCE TO GO INTO EFFECT IN 1903-1905.

The following entrance requirements comprise two classes of subjects: (1) Subjects required of all candidates for admission to the Freshman class; (2) Subjects from among which each candidate must choose a certain number for presentation along with the required subjects. The regulations governing the choice of elective entrance subjects are given below.

The requirements are defined for the most part in close accordance with recommendations of the National Educational Association and of the College Entrance Examination Board for the Middle States and Maryland.

*Beginning with June, 1902, all applicants for preliminary examinations will be examined in conformity with the specifications of these new requirements.*

A. SUBJECTS PRESCRIBED FOR ALL CANDIDATES.

ENGLISH.

1. *English.* The examination will be based upon the books prescribed by the uniform entrance requirements in English. Questions as to the subject matter, structure, and style of these books will be asked. Candidates must be prepared in all of the books required for the year of entrance.

For 1903, 1904, 1905 the books prescribed are:

*a.* For reading, Shakespeare's The Merchant of Venice and Julius Cæsar, The Sir Roger de Coverley Papers in The Spectator, Goldsmith's The Vicar of Wakefield, Coleridge's The Ancient Mariner, Scott's Ivanhoe, Carlyle's Essay on Burns, Tennyson's The Princess, Lowell's The Vision of Sir Launfal, George Eliot's Silas Marner.

*b.* For careful study, Shakespeare's Macbeth, Milton's Lycidas, Comus, L'Allegro, and Il Penseroso, Burke's Speech on Conciliation with America, Macaulay's Essays on Milton and Addison.

## MATHEMATICS.

In all numerical work special emphasis is laid upon accuracy and facility in reckoning.

Problems having to do with lengths, areas, or volumes, will be stated, usually, in terms of the metric system of weights and measures.

2. *Algebra to Quadratics. A I.* The four fundamental operations for rational algebraic expressions, factoring, highest common factor, lowest common multiple, complex fractions, the solution of equations of the first degree containing one or more unknown quantities, radicals, including the extraction of the square root of polynomials and numbers, and fractional and negative exponents.

3. *Elementary Algebra, Quadratics and beyond. A II.* Quadratic equations in one and two unknown quantities, ratio and proportion, the progressions, the elementary treatment of permutations and combinations, the binomial theorem for positive integral exponents, and the use of four and five place logarithms.

4. *Plane Geometry.* Demonstrations of theorems, and constructions and demonstrations of problems; the solution of simple original exercises, including lengths of lines and areas of the triangle, parallelogram, trapezoid, regular poly-

gons, and circle; simple original exercises in construction and demonstration.

5. *Solid Geometry.* Properties of straight lines and planes, of dihedral and polyhedral angles, of projections, of polyhedrons, including prisms, parallelopipeds, pyramids and the regular solids, of cylinders, cones, and spheres, of spherical triangles; and the mensuration of these solids and their surfaces.

LATIN.

6. *Latin Grammar.* The inflections; the simpler rules for composition and derivation of words; syntax of cases and verbs; structure of the sentence in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive; so much prosody as relates to accent, versification in general, and dactylic hexameter.

7. *Latin Composition A.* Translation into Latin of detached sentences and very easy continuous prose based upon Cæsar and Cicero.

8. *Cæsar.* Any four books of the Gallic War, preferably the first four.

9. *Cicero A.* Any six orations from the following list, but preferably the first six mentioned:

The four orations against Catiline, Archias, the Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth Philippic.

## B. Elective Subjects.

FRENCH.

10. *French A.* Candidates should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of everyday life, or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar.

Satisfactory preparation for this examination is furnished in the two-year course in elementary French recommended by the Modern Language Association. The course comprises drill in pronunciation, the rudiments of grammar, memorizing easy sentences, with easy exercises illustrating grammatical forms and principles, translation into French, writing French from dictation, and the reading of 100 to 175 pages of graduated texts with abstracts of this reading, followed by 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches, such as: About's Le roi des montagnes, Bruno's Le tour de la France, Daudet's easier short tales, La Bédollière's La Mère Michel et son chat, Erckmann-Chatrian's stories, Foa's Contes biographiques and Le petit Robinson de Paris, Foncin's Le pays de France, Labiche and Martin's La poudre aux yeux and Le voyage de M. Perrichon, Legouvé and Labiche's La cigale chez les fourmis, Malot's Sans famille, Mairet's La tâche du petit Pierre, Mérimée's Colomba, extracts from Michelet, Sarcey's Le siège de Paris, Verne's stories.

*Every candidate must offer either 10 or 12.*

11. *French B.* Candidates should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course. Preparation for this examination should include, in addition to the elementary course, 400 to 600 pages of moderately difficult French, a portion of it to be in the dramatic form; exercise in giving French paraphrases, and continued practice in grammar and composition.

Suitable texts are: About's stories, Augier and Sandeau's Le Gendre de M. Poirier, Béranger's poems, Corneille's Le Cid and Horace, Coppée's poems, Daudet's La Belle-Nivernaise, La Brète's Mon oncle et mon curé, Madame de

Sévigné's letters, Hugo's Hernani and La chute, Labiche's plays, Loti's Pêcheur d'Islande, Mignet's historical writings, Molière's L'avare and Le bourgeois gentilhomme, Racine's Athalie, Andromaque, and Esther, George Sand's plays and stories, Sandeau's Mademoiselle de la Seiglière, Scribe's plays, Thierry's Récits des temps mérovingiens, Thiers's L'expédition de Bonaparte en Égypte, Vigny's La canne de jonc, Voltaire's historical writings.

GERMAN.

12. *German A.* Candidates should be able to read at sight, and to translate a passage of very easy dialogue or narrative prose, help being given upon unusual words and constructions, to put into German short English sentences taken from the language of everyday life or based upon the text given for translation, and to answer questions upon the rudiments of the grammar.

Satisfactory preparation for this examination is furnished in the two-year course in elementary German recommended by the Modern Language Association. The course comprises drill in pronunciation, memorizing easy sentences, the rudiments of grammar with easy exercises illustrating grammatical forms and principles, and the reading of 75 to 100 pages of graduated texts from a reader, followed by 150 to 200 pages of easy stories and plays.

Stories suitable for the elementary course may be selected from the following list: Andersen's Märchen and Bilderbuch ohne Bilder, Arnold's Fritz auf Ferien, Baumbach's Die Nonna and Der Schwiegersohn, Gerstäcker's Germelshausen, Heyse's L'Arrabbiata, Das Mädchen von Treppi and Anfang und Ende, Hillern's Höher als die Kirche, Jensen's Die braune Erica, Leander's Träumereien and Kleine Geschichten, Seidel's Märchen, Stökl's Unter dem Christbaum, Storm's Immensee and Geschichten aus der Tonne, Zschokke's Der zerbrochene Krug.

Suitable plays are: Benedix's Der Prozess, Der Weiberfeind, and Günstige Vorzeichen, Elz's Er ist nicht eifersüchtig; Wichert's An der Majorsecke, Wilhelmi's Einer muss heiraten. It is recommended, however, that not more than one of these plays be read.

*Every candidate must offer either 12 or 10.*

13. *German B.* Candidates should be able to read at sight German prose of ordinary difficulty, whether recent or classical; to put into German a connected passage of simple English, paraphrased from a given text in German; to answer any grammatical questions relating to usual forms and essential principles of the language, including syntax and word-formation, and to translate and explain a passage of classical literature taken from some text previously studied.

Preparation for this examination should include, in addition to the elementary course, about 400 pages of moderately difficult prose and poetry, with continued practice in grammar and composition. Suitable reading matter can be selected from such books as: Ebner-Eschenbach's Die Freiherren von Gemperlein, Freytag's Die Journalisten and Bilder aus der deutschen Vergangenheit—for example, Karl der Grosse, Aus den Kreuzzügen, Doktor Luther, Aus dem Staat Friedrichs des Grossen, Fouqué's Undine, Gerstäcker's Irrfahrten, Goethe's Hermann und Dorothea and Iphigenie, Heine's poems and Reisebilder, Hoffmann's Historische Erzählungen, Lessing's Minna von Barnhelm, Meyer's Gustav Adolf's Page, Moser's Der Bibliothekar; Riehl's Novellen—for example, Burg Neideck, Der Fluch der Schönheit, Der Stumme Ratsherr, Das Spielmannkind, Rosegger's Waldheimat, Schiller's Der Neffe als Onkel, Der Geisterseher, Wilhelm Tell, Die Jungfrau von Orleans, Das Lied von der Glocke, Balladen, Scheffel's Der Trompeter von Säkkingen, Uhland's poems, Wildenbruch's Das edle Blut.

SPANISH.

14. *Spanish A.* The examination will consist of the reading at sight of easy Spanish prose, of the translation into Spanish of simple English sentences, and of questions on the irregular verbs and on the rudiments of grammar, including the elementary rules of syntax. From 400 to 600 pages of Spanish prose should have been read. Preparation for this examination is most satisfactorily made by adapting to the instruction in Spanish the recommendations offered by the Modern Language Association of America for the Elementary Course in French.

LATIN AND ROMAN HISTORY.

15. *a. Vergil A.* The first six books of the Æneid.

*b. Roman History.* The history of Rome down to the battle of Actium.

*a and b together constitute but one elective.*

AMERICAN AND ENGLISH HISTORY.

It is recommended that each of the following courses be pursued in the spirit and by the methods suggested in the *Report of the Committee of Seven of the American Historical Association on the Study of History in Schools.* (The Macmillan Co. 1899.)

16. *American History and Civil Government.* The course of study recommended for American History and Civil Government should occupy four exercises a week for one year. Military details may be neglected. The origins of the American people and the development of their political life should be clearly understood in their main outlines.

17. *English History.* A mere outline of English history previous to the Norman invasion will suffice. The course of English history after that event down to 1850 should be carefully reviewed with proper reference to the development of political institutions.

*No candidate may offer both 16 and 17.*

SCIENCE.

18. *Chemistry.*

*A. Requirements for candidates who have had laboratory as well as class room work.*

The requirements are those specified in the Plan of Organization of the College Entrance Examination Board for the Middle States and Maryland.

The following outline includes only the indispensable things which must be studied in the class-room and laboratory. The material is, for the most part, common to all elementary text-books and laboratory manuals. Each book makes its own selection of facts beyond this which may be necessary for the illustration of the principles of the science The order of presentation will naturally be determined by each teacher for himself.

OUTLINE—The chief physical and chemical characteristics, the preparation and the recognition of the following elements and their chief compounds: *oxygen*, *hydrogen*, *carbon*, *nitrogen*, *chlorine*, *bromine*, *iodine*, *fluorine*, *sulphur*, phosphorus, silicon, potassium, *sodium*, calcium, magnesium, *zinc*, copper, mercury, silver, aluminum, *lead*, tin, *iron*, manganese, chromium.

More detailed study should be confined to the italicized ELEMENTS (as such) and to a restricted list of compounds, such as: water, hydrochloric acid, carbon-monoxide, carbon-dioxide, nitric acid, ammonia, sulphur-dioxide, sulphuric acid, hydrogen-sulphide, sodium-hydroxide.

Attention should be given to the atmosphere (constitution and relation to animal and vegetable life), flames, acids, bases, salts, oxidation and reduction, crystallization, manufacturing processes, familiar substances (illuminating gas, explosives, baking powder, mortar, glass, metallurgy, steel, common alloys, porcelain, soap).

Combining proportions by weight and volume; calculations founded on these and Boyle's and Charles's laws; sym-

bols and nomenclature (with careful avoidance of special stress, since these are non-essential); atomic theory, atomic weights and valency in a very elementary way; nascent state; natural grouping of the elements; solution (solvents and solubility of gases, liquids and solids, saturation); ionization; mass action and equilibrium; strength (=activity) of acids and bases; conservation and dissipation of energy; chemical energy (very elementary); electrolysis. Chemical terms should be defined and explained, and the pupil should be able to illustrate and apply the ideas they embody. The theoretical topics are not intended to form separate subjects of study, but to be taught only so far as is necessary for the correlation and explanation of the experimental facts.

The facts should be given as examples for various classes, and not as isolated things. Thus, to speak of a "standard method of preparing hydrogen," whereby the action of zinc on hydrochloric acid is meant, shows narrow and infertile teaching. It should be shown that all acids are acted upon by a certain class of metals to produce hydrogen. Examples of both classes of metals should be given and the general principles derived. The reason for using zinc and hydrochloric acid in the laboratory can then be stated.

It is recommended that the candidate's preparation in chemistry should include:

*a.* Individual laboratory work comprising at least forty exercises selected from a list of sixty or more, not very different from the list given below.

*b.* Instruction by lecture-table demonstrations to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations.

*c.* The study of at least one standard text-book to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws of elementary chemistry.

## *List of Experiments.*

### *General.*

1. Composition of the atmosphere.

2. Dissociation of mercuric oxide, and study of resulting products.

3. Burning of magnesium, sodium and potassium in air, and of iron in oxygen, with study of resulting products.

4. Combination of substances produced in (3) with water, and study of results.

5. Burning of sulphur and phosphorus in air; study of products.

6. Combination of substances produced in (5) with water; study of products.

7. Treatment of substances resulting from (3) and (4) with hydrochloric acid, and examination of final products.

### *Laws of Gas Volumes and Vapor Tension.*

8. Boyle's Law.

9. Charles's Law.

10. Vapor tension as related to temperature.

### *Common Elements and Compounds.*

11. Preparation and study of oxygen.

12. Weight of a litre of oxygen under standard conditions.

13. Preparation of hydrogen by action of sodium on water. Careful study of by-product.

14. Preparation of hydrogen by zinc and acid. More thorough study of hydrogen in larger quantities. Study of by-product.

15. Weight of a litre of hydrogen under standard conditions. (Optional for best students only.)

16. Proportion by volume in which hydrogen and oxygen unite. (Lecture demonstration with eudiometer.)

17. Proportion by weight in which hydrogen and oxygen combine.

18. Study of boiling point, freezing point, action on litmus, and taste of substance produced by combining oxygen and hydrogen.

19. Electrolysis of water, resulting gases being accurately measured and tested.

20. Vapor density of water, conclusion as to formula for water. (Optional for best pupils.)

21. Study of sodium, potassium, lithium, strontium, calcium, and barium compounds. Detection of presence of these metals by flame test and by spectroscope.

22. Study of salts of cobalt, copper, nickel, manganese, chromium, iron. Tests for these metals and those mentioned in 21 in unknown mixtures.

23. Study of compounds of aluminum, magnesium and zinc. Tests for these in mixtures of 21 and 22.

24. Tests for silver, lead, and bismuth in unknown mixtures of 21, 22 and 23.

25. Tests for mercury and arsenic in unknown mixtures of 21, 22, 23 and 24.

26. Preparation and study of chlorine gas.

27. Weight of a litre of chlorine.

28. Combustion of chlorine in hydrogen.

29. Preparation of hydrochloric acid and study of properties.

30. Decomposition of hydrochloric acid gas by sodium amalgam, and conclusions as to percentage composition. Avogadro's law.

31. Preparation and study of at least three chlorides.

32. Preparation and study of bromine.

33. Preparation of at least three bromides.

34. Preparation and study of iodine.

35. Preparation of at least three iodides.

36. Comparative study of the chemism of chlorine, bromine and iodine by mutual displacement.

37. Study of hydrofluoric acid and fluorides.

38. Determining of the combining proportion of chlorine and zinc, and of the atomic weight of zinc.

39. Atomic weight of zinc from specific heat. Law of Dulong and Petit.

40. Atomic weight of silver by displacement of zinc.

41. Study of forms of sulphur.

42. Direct formation of sulphides.

43. Study of sulphurous oxide.

44. Preparation of sulphurous and sulphuric acids.

45. Preparation of at least two sulphites and two corresponding sulphates. Comparative study of these.

46. Decomposition of ammonium nitrate and study of nitrous oxide.

47. To determine the composition of nitrous oxide. Gay-Lussac's Law.

48. Preparation and study of nitric acid.

49. Preparation of three nitrates in three different ways.

50. Composition of gas formed by action of cold dilute nitric acid on copper.

51. Composition of gas formed by union of nitric oxide and oxygen.

52. Preparation of chromic anhydride, chromic acid and potassium chromate.

53. Changing potassium chromate to potassium bichromate and back again. Oxidation and reduction in solutions.

54. Chromium as an acid-forming and as a base-forming element. Preparation of chromium sulphate.

55. Preparation of ferrous and ferric salts.

*Carbon and Some Carbon Compounds.*

56. Product of burning charcoal. Tests.

57. Test for presence of carbon in wood, paper, kerosene, coal gas, alcohol.

58. Preparation of three carbonates.

59. Solubility of carbonates in the presence of carbon di-oxide.

60. Effect of heat on suspension of carbonates in solution.

61. Carbon di-oxide from fermentation.

62. Alcohol from fermentation.

63. Preparation of ether by alcohol and sulphuric acid.

64. Preparation of alkaline salts of fatty acids, or soap-making.

At the time of the examination the candidate must present a note-book in which he has recorded the steps and the results of his laboratory exercises, and this note-book must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's work. It should contain an index of the exercises which it describes. It is practicable for pupils to make the original record of their observations entirely presentable, so that copying will be unnecessary, and they should in general be required to do so. This note-book will be returned at any time within a year at the request of the candidate.

*B. Requirements for candidates who have had class room work only.*

The candidates will be examined on Remsen's *Introduction to the Study of Chemistry.* A mere study of this book under the direction of a tutor will not be regarded as a fulfilment of the requirement. The school instructor must perform all experiments before his class and require his pupils to take notes, sketch apparatus and attain a fair amount of proficiency in expressing chemical changes in the form of equations. Teachers will bear in mind that candidates must be well posted in matters relating to bases, acids and salts and thoroughly drilled in making simple stoichiometrical calculations. Although a knowledge of the chemistry of the non-metals is regarded as most important, it is imperative that candidates should also possess a fair amount

of information concerning the more common, useful and precious metals and their compounds.

19. *Physics.* The requirement in Elementary Physics may be met in either of the two following ways:

A. By passing an examination on the subject as it is presented in such text-books as Gage's Principles of Physics. In this examination much emphasis will be laid upon the student's ability to solve numerical problems.

B. By presenting a laboratory note-book containing full records of all the experimental work performed by the student during his course of preparation. This note-book must bear the certificate of the instructor that the records were made by the student himself, and that they are a faithful description of the laboratory work actually done by him. The note-book should be paged and properly indexed. The presentation of this note-book will excuse the student from the examination on the general subject, but he will still be examined on the solution of numerical problems as prescribed in A. The metric system will be used exclusively in the examination.

In order to meet requirement A at least one school year, with four or five recitations per week, should be devoted to the subject. This course should be accompanied by class-room demonstrations conducted by the teacher. Requirement B may be met in the same length of time by dividing the time about equally between recitations based on a suitable text-book and laboratory exercises performed by the student himself. While it is desirable that this laboratory work have a large range and accordingly be mainly of a qualitative character, still due stress should be laid upon the performance of exact quantitative work.

## Regulations Governing the Number and the Choice of Elective Freshman Entrance Subjects.

### in 1903.

In 1903, candidates for admission to the Freshman Class will be required to present, in addition to all of the prescribed subjects (1–9) enumerated above, either

(*a*) *French A* (10), or *German A* (12) with any *one* other of the elective subjects 10, 12, 14, 15, 16, 17, 18 (*A* or *B*), 19 (*A* or *B*);

or (*b*) *French B* (11) or *German B* (13).

IN 1904.

In 1904, candidates for admission to the Freshman Class must present, in addition to subjects 1–9, some one of the following combinations of elective subjects:

(*a*) *French A* (10) or *German A* (12) with any *one* other of subjects 10, 12, 14;

(*b*) *French A* (10) or *German A* (12) with any *two* of subjects 15, 16 (17), 18 (*A* or *B*), 19 (*A* or *B*), the brackets indicating an exclusion;

(*c*) *French B* (11) or *German B* (13) with any *one* of subjects 15, 16, 17, 18 (*A* or *B*), 19 (*A* or *B*).

IN 1905 AND THEREAFTER.

Beginning in 1905 candidates for admission to the Freshman Class must present, in addition to subjects 1–9, some one of the following fifty-one admissible combinations of elective subjects:

(*a*) *French A* (10) or *German A* (12) with any *one* other of subjects 10, 12, 14, and any *one* of subjects 15, 16, 17, 18 (*A* or *B*), 19 (*A* or *B*);

(*b*) *French A* (10) or *German A* (12) with any *three* of subjects 15, 16, (17), 18 (*A* or *B*), 19 (*A* or *B*), the brackets indicating an exclusion;

(*c*) *French B* (11) with 12 or 14;

(*d*) *German B* (13) with 10 or 14;

(*e*) *French B* (11) or *German B* (13) with any *two* of subjects 15, 16 (17), 18 (*A* or *B*), 19 (*A* or *B*), the brackets indicating an exclusion.

### Examination Certificates Issued by the College Entrance Examination Board for the Middle States and Maryland

will be accepted in place of the regular entrance examinations in so far as the certificates presented correspond to the requirements of this University. Candidates offering such certificates are required to submit therewith the testimonials as to character and general fitness prescribed above for other candidates. The latter testimonial shall state definitely the amount of work done in each subject offered for examination.

### Admission to Advanced Standing.

Candidates for admission to an advanced class will be examined in the studies previously pursued by the class they propose to enter, and may also be required to pass the regular examinations for admission to the Freshman class. While a certificate of satisfactory work done in any of these studies in another institution will not necessarily excuse from examination, it may in some degree modify the examination, and should therefore always be presented. Examinations for advanced standing are held only in Princeton.

No person is admitted to the University as a candidate for the degree of Bachelor of Science or Civil Engineer after the beginning of the first term of Senior year.

### Admission to Special Courses.

Admission to special courses and the regulation of work therein are determined in the same way as for special courses in the Academic department.

### Regulation Concerning Secret Societies.

Immediately after the beginning of the Academic year, the students entering the Undergraduate Department meet

according to announcement for matriculation and subscription to the following pledge, required by the Board of Trustees:

We, the undersigned, do individually for ourselves promise, without any mental reservation, that we will have no connection whatever with any secret society, nor be present at the meetings of any secret society in this or any other institution so long as we are members of Princeton University; it being understood that this promise has no reference to the American Whig and Cliosophic Societies. We also declare that we regard ourselves bound to keep this promise and on no account whatever to violate it.

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# EXAMINATIONS, STANDING, AND GRADUATION.

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## Examinations.

The regulations concerning examinations, conditions and the removal of conditions are the same as those for the students of the Academic Department, excepting that the regulations concerning conditions at the end of the Senior year and concerning thesis requirements are given below under the heading "Graduation."

## Standing.

The standing of each student is decided by the method which is used in the Academic department, as given under the heading "Standing."

## Graduation.

Each candidate for a degree is required to prepare and submit for the approval of an instructor, appointed by the Faculty for the purpose, a graduation thesis. This shall be a design or review of some structure or process or an examination of some work or subject selected from some study

specially connected with the scientific department. The subject selected for the graduation thesis must be reported to the Faculty, by the candidates for the degree of C. E. on or before the first Monday of October, and by the candidates for the degree of B. S. on or before the second Monday of January (January 13, 1902), of their senior year. The graduation thesis must be finished by the second Saturday before Commencement (May 31, 1902).

Students who have fulfilled the requirements of their undergraduate courses, passing satisfactory examinations in all their studies and presenting acceptable graduation theses, are ordinarily recommended by the Faculty for the degree attached to the course they have pursued, and, if the recommendation is approved by the Trustees, the degree is conferred at Commencement and they receive diplomas signed by the President and the Clerk of the Board of Trustees.

A Senior who fails to pass in not more than two subjects of the second term examinations is allowed *one* re-examination, and, if successful, may be recommended to receive his degree with his class. Further opportunity to remove conditions is given only in the next Academic year.

## UNDERGRADUATE COURSES OF INSTRUCTION.

Undergraduate courses are provided for the degrees of Bachelor of Science and Civil Engineer.

The undergraduate courses offer, according to the choice of the student, efficient education in the natural sciences in general, or a thorough training in the study of civil engineering, and in various other branches of science, pure and applied. At the same time a liberal education in certain academic studies is secured to all candidates for a degree.

Instruction is given by lectures and recitations—by practice in the laboratories, drawing-rooms, museums and field—and excursions are made to different points of interest.

All candidates for the degree of Bachelor of Science pursue the same studies until the end of Freshman year. During Sophomore year some studies are elective. At the end of Sophomore year each student makes his election between the course in General Science and the course in Chemistry and he cannot afterward change his course without the permission of the Faculty.

Candidates for the degree of Civil Engineer pursue some studies in common with candidates for the degree of Bachelor of Science, but the divergence of the two courses commences at the very beginning.

*Optional Courses.*—The optional courses which are offered to the students of the Academic department, as given in the Statements of Courses, are also open to those students of the School of Science who may be fitted to pursue them with profit.

The following symbols are used to indicate the different courses:

*a*, all courses leading to the degree of Bachelor of Science.
*g*, the course in General Science.
*c*, the course in Chemistry.
*e*, the course in Civil Engineering.

## Department of Science.

### Course in General Science (*a*, *g*).

This is intended to afford instruction in science without necessarily specializing in any one department. During the Junior and Senior years the studies are largely elective. The choice of these elective studies is governed by the same rules as are in force in the Academic department and in the Regulations concerning Registration given on a

later page under "General Orders." These electives include many of those given in the Academic department and offer a wide variety of choice.

The separation between the course in General Science and the course in Chemistry takes place at the end of Sophomore year. A proper selection of electives in mathematics, mechanics, and graphics furnishes a suitable preparation for the graduate course in Electrical Engineering. Students who contemplate entering the medical profession may combine the electives in Biology and Chemistry so as to receive when graduating a special certificate recommending them to advanced standing in medical colleges.

A synopsis of the required and elective studies of the course will be found on a later page.

### COURSE IN CHEMISTRY (*a*, *c*).

This course is designed to afford instruction in analytical and technical chemistry, and students electing it should take Applied Chemistry as an elective in Sophomore year and enter upon the special studies of the course at the beginning of Junior year. They will also need to take Sophomore Mineralogy at some time during their course of study.

The synopsis of the course is given on a later page.

## DEPARTMENT OF CIVIL ENGINEERING (*e*).

The course in Civil Engineering is designed to fit its graduates for entering the profession of civil engineering. The degree conferred at its close on successful candidates is Civil Engineer (C. E.) The regular course of study occupies four years; but applicants who are found to be suitably prepared are admitted to advanced standing. Bachelors of Arts who have pursued elective courses in mathematics and Bachelors of Science can ordinarily be prepared for the degree of C. E. by a two-years course in the technical studies.

required for that degree. But by a judicious selection of elective studies, a candidate for the degree of B. S. in the course in General Science can materially shorten the time which he will need for such preparation after receiving the bachelor's degree.

Besides the studies taken in common with the candidates for the degree of Bachelor of Science the technical work includes the following subjects, for which a thorough preliminary training in mathematics is necessary.

RATIONAL AND APPLIED MECHANICS AND THEORY OF MACHINES is made to cover a wide field of study, beginning with the general discussions of motion and the action of forces, and ending with the deduction of practical formulas relating to the elasticity and strength of materials, the stability of different structures, the power, efficiency, and strength of hydraulic, steam, and air motors, and to the various problems which arise in the practice of hydraulic engineering. In dealing with these subjects, rigidly mathematical treatment is generally used, and higher analysis is freely employed wherever it is expedient; yet proper weight is given to methods of graphic analysis, and the student's attention is especially directed to those problems in which such methods are employed with marked advantage.

EXPERIMENTAL MECHANICS aims to familiarize the student with the physical properties of building materials; to teach him by actual experiment how to conduct tests and to deduce therefrom coefficients of strength, elasticity, etc., to determine coefficients of hydraulic flow and resistance, to gauge by the aid of indicators and dynamometers the power of steam and other motors. Under this head come also problems in the erection of structures.

THE PLANNING AND CONSTRUCTION OF ENGINEERING WORKS is treated in lectures. Great stress is laid on the application of correct principles and formulas, on the careful inspection, manipulation and preservation of materials, and

on the economic features of various designs, and modes of executing them.

An important feature of this part of the course consists of excursions for the examination of rolling mills, bridge works, machine shops, water works, etc. In these visits the class is accompanied by one of the professors in charge, and every member is required to make full notes of his observations and of the instruction received during the trip.

GEODESY, beginning with the measurements of lines and angles, extends through different kinds of surveys in the order of their complexity, and ends with problems in higher geodesy. The structure, adjustment, and use of each instrument are made subjects of special attention, and no student is allowed to participate in any extended field operation until he has acquired a certain dexterity in handling the instruments used therein. A marked feature of the course is the stress laid on the collection and verification of field notes by each student, and on their proper use in the preparation of different kinds of plans, maps, and charts of surveys. No error is allowed, in field work or in platting, which is not within the limits observed in current practice. For two weeks after the close of the second term of Junior year, the Junior class will engage in the field work of extended surveys in some locality selected by the professor in charge of this work.

TOPOGRAPHICAL DRAWING includes the execution, in pen work and colors, of finished plans and maps of various kinds of surveys. Except in the necessary preliminary drill, the drawings invariably represent actual surveys made by the different classes. A rigid adherence to the field notes of each survey and a high degree of finish are required in the execution of these drawings.

The synopsis of the course of study and the description of the laboratory, instruments, and apparatus connected with the department are given on later pages.

# STATEMENTS OF COURSES.

A number of studies are pursued either together with the academic classes, or essentially as given in the statements of courses in the Academic department, and under the same instructors.

In the following statements of courses the numbers in brackets indicate the number of exercises a week.

## ETHICS.

PROFESSOR PATTON.

Ethics. Junior, *a;* second term. *Seth:* Ethical Principles, or *Mackenzie:* Manual of Ethics.

## PSYCHOLOGY.

PROFESSOR HIBBEN.

1. Psychology. Junior, *a;* first term [2].

## HISTORY.

PROFESSOR McELROY.

1. General History. Sophomore, *a;* first term [2].

## POLITICAL ECONOMY AND SOCIOLOGY.

PROFESSOR WYCKOFF.

2. Political Economy. The Elements of Economics. Junior, *a;* second term [3]. Lectures and recitations. *Hadley:* Political Economy; or *Bullock.*

For elective and seminary courses in Political Economy and Sociology, open to Seniors of the General Science course, see statement in this course of study under the Academic Department.

## LATIN.

DR. ROBINSON.

1. Vergil: Æneid, Books I–VI, with selected readings from Books VII–XII. *Slaughter:* Story of Turnus. Freshman, *a;* first term [3]. *Allen* and *Greenough:* Vergil.

2. Livy: Books I, XXI, and XXII. Roman History. Freshman, *a;* second term [3]. *Westcott:* Livy. *Myers:* Rome, its Rise and Fall.

3a. Tacitus. Histories. Sophomore, *a*, elective; first term [2]. *Godley:* Tacitus.

3b. Plautus and Terence: Reading of selected plays. Sophomore, *a*, elective; first term [2].

Both 3a and 3b may not be elected.

4. Horace: Odes and Satires. Sophomore, *a*, elective; second term [2]. *Page* or *Smith:* Horace (Odes). *Palmer:* Horace (Satires).

## ENGLISH.

PROFESSOR PARROTT AND MR. CRAIG.

1. First Principles of English Composition; lectures, extempore theme-writing, and carefully prepared essays on subjects connected with assigned reading. Freshman, *a*, *e;* first term [2].

2. Outline sketch of English Literature, with required reading, lectures on the works read, and themes in connection with the lectures and reading. Freshman, *a*, *e;* second term [2].

3. Introduction to English Philology; lectures on the history and growth of the English language, its elements, structure, dialects, etc. Class-room exercises on forms, and themes on assigned reading. Sophomore, *a;* first term [2].

4. Introductory course to the study of Shakespeare. Typical plays will be read in class; certain others will be

assigned for outside reading; and the composition of extempore themes on subjects connected with the work will be required. Sophomore, *e;* second term [1].

5. Shakespeare's Life and Work. Plays will be read in the class and assigned for outside study. Special attention will be paid to the development of Shakespeare's mind and art. A thesis on some subject connected with the term's work will be required at its close. Junior, *g*, elective; first term [2].

6. Hamlet: A special course in the intensive study of a single play, with reference to the text, the characters, and the dramatic problems. This course is open only to those who have elected English 5. Junior, *g*, elective; second term [2].

## GERMAN.

PROFESSOR HUSS, DR. JONES AND MR. KOREN.

1. Review of the elements of grammar. Advanced grammar. *Huss:* Conversation in German on a grammatical basis. Reading literary prose, such as Storm's Immensee. Freshman, *a*, *e;* first term [2]. Dr. Jones.

2. Reading literary prose, such as von Hillern's Höher als die Kirche or Heyse's L'Arrabbiata. Drill in the idiomatic use of particles and committing sentences illustrating it. Freshman, *a*, *e;* second term [2]. Dr. Jones.

3. Intermediate literary prose. Grimm's Law. Drill in word-formation and accentuation. Sophomore, *a;* first term [2]. Professor Huss. Sophomore, *e;* first term [2]. Dr. Jones and Mr. Koren.

5. Composition and conversation. Sophomore, *a*, elective; first term [2]. Professor Huss.

6. Goethe's Hermann und Dorothea. Sophomore, *a*, elective; second term [2]. Professor Huss.

7. Schiller's dramas. Junior, *g* elective; first term [2]. Professor Huss.

8. Lessing's critical writings and dramas. Junior, *g* elective; second term [2]. Professor Huss.

9. Scientific monographs. Lectures on the classical period of German literature. Goethe's Faust begun. Senior, *g* elective; first term [2]. Professor Huss.

10. German lyrics. Goethe's Faust continued. Senior, *g* elective; second term [2]. Professor Huss.

Written recitations bearing on the current work of the term are conducted in each course at least once a month.

## FRENCH.

PROFESSOR LEWIS, MR. CHURCHMAN AND MR. KOREN.

1, 2. Grammar and Composition. Class and collateral reading. Dictation, and practice in pronunciation. Freshman, *a*, *e*; both terms [2]. Mr. Churchman or Mr. Koren. *Bevier:* French Grammar. *Grandgent:* French composition. Readings from modern French authors.

3. Advanced French. Continuation of courses 1 and 2. Sophomore, *e*; first term [2]. Mr. Churchman.

4. Advanced French. Continuation of courses 1 and 2. Sophomore, *a*; second term [2]. Mr. Churchman.

5, 6. Advanced French. Class and collateral readings from nineteenth century authors. Essay and letter writing in French. This course is conducted, as far as possible, in French. Sophomore, *a* elective; both terms [2]. Mr. Churchman.

The French courses 7 and 8, given in the Academic Department, are open to students of the General Science course.

9, 10. Readings from seventeenth and eighteenth century authors. This course is conducted in French. Writing, in French, of essays on the works read. Junior, *g* elective; both terms [2]. Professor Lewis.

11. Reading of French lyric poetry. This course is conducted in French. Writing, in French, of essays on the

works read. Senior, *g* elective; first term [2]. Professor Lewis.

12. Advanced French Syntax. This course is conducted in French, and its object is to familiarize the student with idiomatic French constructions and to perfect his style. Professor Lewis. Senior, *g* elective; second term [2]. *Larive et Fleury:* La deuxième année de Grammaire; *Larive et Fleury:* Exercises français de deuxième année.

The French courses 13, 14 given in the Academic Department are open to students of the General Science course.

## MATHEMATICS.

PROFESSORS ROCKWOOD AND LOVETT, AND MR. BROOKS.

1. Algebra. Freshman, *a;* first term [2]. Mr. Brooks. *Hall* and *Knight:* College Algebra.

2. Theory of Equations. Freshman, *a;* second term [2]. Mr. Brooks. *Hall* and *Knight:* College Algebra.

3. Algebra and Theory of Equations. Freshman, *e;* first term [4]. Mr. Hiltebeitel or Mr. Morehead. *Hall* and *Knight:* College Algebra. *Fine:* Notes on Algebra.

5, 6. Trigonometry, plane with application to mensuration; spherical trigonometry. Freshman, *a;* both terms [2]. Mr. Brooks. *Murray:* Trigonometry.

7. Trigonometry, plane and spherical. Freshman, *e;* first term [1]. Mr. Hiltebeitel or Mr. Morehead. *Wells:* Trigonometry.

8. Analytical Geometry of two and three dimensions. Freshman, *e;* second term [5]. Mr. Hiltebeitel or Mr. Morehead. *Ashton:* Analytical Geometry.

9. Analytical Geometry of two dimensions. Sophomore, *a;* first term [4]. Professor Rockwood. *Ashton:* Analytical Geometry.

10. Differential and Integral Calculus. Sophomore, *a;* second term [4]. Professor Rockwood. *Osborne:* Calculus.

11. Differential Calculus. Sophomore, *e;* first term [5]. Professor Lovett. *Edwards:* Calculus.

12. Integral Calculus and Differential Equations. Sophomore, *e;* second term [3]. Professor Lovett. *Edwards:* Calculus.

## ASTRONOMY.

PROFESSORS YOUNG AND REED.

The astronomical courses in the School of Science are the same as in the Academic Department (detailed on page 113), excepting that students in the Engineering course take Practical Astronomy 6, as a required subject in Junior year.

## PHYSICS.

PROFESSORS BRACKETT, MAGIE, AND LOOMIS, AND MR. McCLENAHAN.

1, 2, General Physics; mechanics, heat, magnetism, electricity, sound, light. Junior, *a*, *e;* both terms [4]. Professor Loomis. *Anthony and Brackett:* Elementary Text-Book of Physics.

The elective courses in Physics for the Junior and Senior years are the same as those in the Academic department.

## GENERAL CHEMISTRY.

PROFESSOR McCAY.

1, 2, General Chemistry. Experimental lectures and oral and written recitations. Freshman, *a*, *e;* both terms [2]. Professor McCay. *Remsen:* Introduction to the Study of Chemistry.

## APPLIED CHEMISTRY AND MINERALOGY.

PROFESSORS CORNWALL AND PHILLIPS, MR. SILL, AND MR. VAN NEST.

The term "exercises a week" in the statements below means *single hours* for lectures and recitations, but *exercises*

of two or two and one-half hours each for laboratory work. Usually where a course embraces both class-room and laboratory work one-fourth of the exercises are in the class-room. Special students are not admitted to work in analytical chemistry and mineralogy without previous examination as to their fitness for the work; and all such students must take the mathematics of the Freshman year before beginning mineralogy.

2. Qualitative Analysis; including the commoner metals and acids, both in simple and mixed substances. Sophomore, *a*, elective, alternative with Biology 2 or Graphics 6; second term [4]. Professors Cornwall and Phillips. *Fresenius:* Qualitative Chemical Analysis.

3, 4. Quantitative Analysis; introductory course, including simple salts, limestone, coal, felspar, etc., and sugars, milk, and similar food analysis. Junior, *c;* first term [4], second term [5]. Professors Cornwall and Phillips. *Fresenius:* Quantitative Chemical Analysis. *Neher:* Laboratory Notes.

5. Qualitative Analysis; advanced course. Junior, *c;* first term [1]. Professors Cornwall and Phillips. *Fresenius:* Qualitative Chemical Analysis.

7. Organic Chemistry; lectures and recitations on typical organic compounds, with applications to study of water, foods, poisons, disinfectants, etc. Senior, *c* required, *g* elective; first term [2]. Professor Cornwall.

8. Quantitative Analysis; shorter introductory course, including simple salts, sugar, foods, etc. Senior, *g* elective; second term [4]. Professors Cornwall and Phillips. *Appleton:* Quantitative Analysis.

9, 10. Quantitative Analysis, advanced; including complex substances, iron and steel; and technical analysis in general. Senior, *c;* both terms [6]. Professors Cornwall and Phillips. *Fresenius:* Quantitative Chemical Analysis. *Neher:* Laboratory Notes. Chemical Periodicals.

12. Technical Chemistry; lectures and recitations on applications of chemistry to arts and manufactures; must be preceded by the lecture course 7. Senior, *c* required, *g* elective; second term [1]. Professor Cornwall.

14. Assaying; furnace assay of gold, silver, and lead ores; lectures and laboratory work. Senior, *c;* second term [2]. Professors Cornwall and Phillips. *Ricketts and Miller:* Notes on Assaying.

15, 16. Determinative Mineralogy (Blowpipe Analysis), preceded by a short course of lectures, including elements of crystallography. Sophomore, *a* elective, alternative with Graphics 5; first term [3]; *e;* second term [3]. Professor Phillips. *Cornwall:* Manual of Blowpipe Analysis and Determinative Mineralogy.

17, 18. Mineralogy, advanced; lectures, recitations, and practice in theoretical, determinative, and optical mineralogy. Senior, *c* required, *g* elective; both terms [1]. Professor Cornwall. *Moses and Parsons:* Mineralogy.

## Organic Chemistry.

PROFESSOR NEHER.

1. Organic Chemistry; the study of the properties, synthesis and structure of the most important classes of carbon compounds of the aliphatic series. Lectures aud recitations. Senior, *g* elective; first term [2]. Requires courses Applied Chemistry 2, and XXI 3. *Wade*, *Richter*, and *Meyer und Jacobson.*

2. Organic Chemistry; aromatic compounds. Lectures and recitations. Senior, *g* elective; second term [2]. Requires courses Applied Chemistry 2, Organic Chemistry 1, and XXI 3. *Richter.*

4. Organic Chemistry; preparation and experimental study of typical carbon compounds. Lectures and laboratory work. Senior, *g* elective; second term [4]. Requires

courses Applied Chemistry 2, 3, 4 and 5, Organic Chemistry 1, and XXI 3. *Gatterson*, *Noyes*, and *Erdmann*.

An apparatus deposit of $15 is required for course 4.

## BIOLOGY.

PROFESSORS MACLOSKIE, RANKIN, McCLURE AND DAHLGREN.

2. Elementary Biology. Lectures and laboratory work. Sophomore, *a* elective, alternative with Applied Chemistry 2, or Graphics 6. Professors Macloskie and Rankin. *Parker* and *Haswell:* Zoology.

The elective courses in Biology for the Junior and Senior years are the same as for the Academic department.

## GRAPHICS.

PROFESSOR WILLSON AND MR. E. J. WILSON.

The following courses involve recitation and examination, as well as practical work in the draughting-room.

1. Elementary Technical Drawing. Line and brush shading, conventional representations, lettering, trochoidal curves, oblique and orthographic projection, working drawings, tracing. Freshman, *e;* first term [3]. *Willson:* Theoretical and Practical Graphics.

3a, 4. Structure Drawing. Detail and assembly drawings, from measurement, of bridges or other engineering structures. Sophomore, *e;* both terms [1].

3b. Intersections of developable surfaces, with model-making. Sophomore, *c;* first term [1]. *Willson:* Theoretical and Practical Graphics.

5. Technical Drawing. Line and brush work, lettering, projections, tracing, model-making, kinematic geometry, crystallographic projection, curves. Sophomore, *a* elective, alternative with Mineralogy (Applied Chemistry 15); first term [3]. *Willson:* Practical Engineering Drawing and Third Angle Projection.

6. Graphic solution of projective and kinematic problems, higher plane curves, elementary mechanism, working drawings. Sophomore, *e*, *g* elective, alternative with Applied Chemistry 2 or Biology 2; second term [4]. *Willson:* Theoretical and Practical Graphics.

7. Descriptive Geometry, pure, and also as applied to developable, double-curved, and warped surfaces, and including spherical projections and trihedrals. Junior, *e*, *g* elective; first term [3]. *Willson:* Descriptive Geometry.

8. Shadows and Perspective; mathematical theory, with applications mainly to architectural subjects. Junior, *e*, *g* elective; second term [2]. Requires course 7. *Willson:* Shadows and Perspective.

9. Stereotomy. Descriptive geometry applied to the solution of such problems in stone-cutting as are likely to arise in railroad or architectural construction. Senior, *e*, *g* elective; first term [2]. Requires course 7. *Warren:* Stone-Cutting.

10. Valve Motion. Lectures; also graphical analysis of valves by motion curves and the Bilgram diagram. Senior, *e*, *g* elective; second term [1]. *Halsey:* Slide Valve Gears. *Forney:* Catechism of the Locomotive.

## SURVEYING.

PROFESSOR HARRIS.

1. Surveying. Theory and practice, with special reference to business life. Junior, *g* elective; first term [2].

## MECHANICS.

PROFESSORS McMILLAN AND SMITH, AND MR. MELLINGER.

2, 3. Applied Mechanics; analytic and graphic. Sophomore, *e*; second term [2]. Junior, *e*; first term [4]. Professor Smith and Mr. Mellinger.

5. Graphical Statics. Applications. Junior, *e;* first term [2]. Professor McMillan and Mr. Mellinger.

6. Elasticity and Strength of Materials; Junior, *e;* second term [3]. Professor Smith.

7, 8. Framed Structures. Senior, *e;* first term [7]; second term [1]. Professor McMillan and Mr. Mellinger.

9. Hydraulics. Theory. Senior, *e;* first term [2]. Professor Smith.

11. Masonry Structures. Senior, *e;* first team [3]. Professor Smith.

12. Motors. Senior, *e, g* elective; second term [4]. Professor McMillan and Mr. Mellinger. *Rankine:* Steam Engines.

## CONSTRUCTIONS.

PROFESSORS McMILLAN AND SMITH.

2. Structural Materials; Foundations. Senior, *e;* second term [2]. Professor Smith.

4. Construction of Water Works. Senior, *e;* second term [2]. Professor Smith.

6. Sewerage and Drainage. Senior, *e;* second term [2]. Professor McMillan. Lectures.

8. Roads. Senior, *e;* second term [2]. Professor McMillan. Lectures.

10. Laboratory. Senior, *e;* second term [2]. Professors McMillan and Smith.

## GEODESY.

PROFESSOR HARRIS AND MR. MELLINGER.

2. Line measurement and farm surveying; recitations and field work. Freshman, *e;* second term [3]. Professor Harris and Mr. Mellinger. *Staley-Gillespie:* Land Surveying.

3. Platting of field notes; topographical drawing in pen work and colors. Sophomore, *e;* first term [5]. Professor

Harris and Mr. Mellinger. *McMillan-Smith:* Topographical Drawing.

4. Transit work and levelling; recitations, field work, and mapping. Sophomore, *e;* second term [4]. Professor Harris. *Staley-Gillespie:* Land Surveying.

5. Town, mine, and hydrographic surveying; recitations, field work, and mapping. Junior, *e;* first term [3]. Professor Harris. Lectures.

6. Railroad surveying; recitations, field work, and office work. Junior, *e;* second term [3]. Professor Harris. *Searles:* Field Engineering.

8. Summer field practice; extended field operations and office work. Junior, *e;* two weeks following close of second term. Professor Harris and Mr. Mellinger.

9. Higher Geodesy. Senior, *e;* first term [2]. Professor Harris.

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## DEPARTMENT OF ELECTRICAL ENGINEERING.

PROFESSOR BRACKETT AND MR. McCLENAHAN.

The course in Electrical Engineering is designed to furnish instruction in the theory of electricity and in its application in the arts and industries. The special course of study in electricity occupies two years of graduate work.

### REQUIREMENTS FOR ADMISSION.

I. Graduates of the University, either in the Academic department or in the John C. Green School of Science, who have taken satisfactory courses in French and German and in mathematics, including Calculus and Differential Equations, will be admitted to the course in Electrical Engineering without examination.

II. Applicants who are graduates of other institutions must satisfy the professors in charge that they have sufficient

knowledge of mathematics, including Calculus and Differential Equations, of Physics and Chemistry, and of French and German, to enable them to pursue the course with profit.

III. Applicants who are not graduates of any institution may be admitted to the course if they show their fitness for it on examination in mathematics, including Calculus, Differential Equations, analytic mechanics, mechanical drawing and descriptive geometry, general and analytical chemistry, physics, geology, astronomy, English language and literature, French and German.

IV. Students, not candidates for a degree, may be received by special arrangements with the professors in charge.

## COURSE OF STUDY.

*First Year:*—The mathematical theory of Electricity. *Duhem:* Leçons sur l'Électricité et Magnétisme, with references to *Faraday, Maxwell, Mascart et Joubert, Hertz, et als.*

Electrical Measurements: *Gray:* Absolute Measurements in Electricity and Magnetism. *Ewing:* Magnetic Induction in Iron and other metals. Two days a week are left free for elementary electrical measurements, with reference to *Stewart and Gee, Kohlrausch, Gray, Ewing, et als.* Theory of Electro-Motors: *Thompson,* Dynamo-Electric Machinery. Machine Designing.

Strength of Materials, three hours a week, Mechanism, two hours a week, and Theory of Machines, four hours a week for half the year, are taken with the classes in the Civil Engineering department.

*Second Year:*—Study of the Physics of the Ether as related to Electric and Magnetic phenomena.

*Drude:* Physik des Aethers.

Theory and practical applications of alternate currents: *Fleming,* Alternate Current Transformer. *Thompson,* Polyphase Electric Currents; with reference to *Ferraris, Steinmetz, et als.*

Transformer and machine designing.

Collateral lectures on the technical applications of electricity in telegraphy, telephony, electro-metallurgy and electro-chemistry, electric lighting, transmission of power, etc.

Advanced Electrical Measurements and Electrical Testing.

In addition to these courses a meeting is held once a week, at which reports on the current electrical literature are made by the students.

### Degree.

On completion of this course the student is entitled to apply for the degree of Electrical Engineer. With his application, he must present a thesis on some subject connected with electrical science.

# EXHIBIT OF STUDIES FOR 1901–1902.

NOTE.—The numbers in column indicate exercises per week. The numbers immediately after subjects refer to courses of Instruction in the School of Science. The Roman and Arabic numerals in parentheses refer to subjects and courses as given in the courses of Instruction in the Academic Department.

## COURSES IN GENERAL SCIENCE (*a*, *g*).

### FRESHMAN YEAR.

| *First Term.* | | *Second Term.* | |
|---|---|---|---|
| Mathematics 1, 5 | 4 | Mathematics 2, 6 | 4 |
| German 1 | 2 | German 2 | 2 |
| French 1 | 2 | French 2 | 2 |
| Latin 1 | 3 | Latin 2 | 3 |
| English 1 | 2 | English 2 | 2 |
| General Chemistry 1 | 2 | General Chemistry 2 | 2 |

### SOPHOMORE YEAR.

#### REQUIRED.

| | | | |
|---|---|---|---|
| Mathematics 9 | 4 | Mathematics 10 | 4 |
| German 3 | 2 | French 4 | 2 |
| English 3 | 2 | Logic (11 2) | 3 |
| History 1 | 2 | | |

#### ELECTIVE.

Bracketed subjects are mutually exclusive, and only one subject in any bracketed group may be elected.

| Student takes 5 exercises. | | Student takes 6 exercises. | |
|---|---|---|---|
| Mineralogy 15 | 3 | Applied Chemistry 2 | 4 |
| Graphics 5 | 3 | Graphics 6 | 4 |
| | | Biology 2 | 4 |
| Latin 3a or 3b | 2 | Latin 4 | 2 |
| German 5 | 2 | German 6 | 2 |
| French 5 | 2 | French 6 | 2 |

# JUNIOR YEAR.

## REQUIRED.

| | | | |
|---|---|---|---|
| Physics 1 | 4 | Physics 2 | 4 |
| Astronomy (XX 1) | 2 | Geology (XXIV 2) | 2 |
| Psychology | 2 | Political Economy | 3 |
| | | Ethics | 2 |

## ELECTIVE.

Bracketed subjects are mutually exclusive, and only one subject in any bracketed group may be elected.

| Student takes 7 or 8 exercises. | | Student takes 4 or 5 exercises. | |
|---|---|---|---|
| *Juris. & Politics* (IV 1) | 2 | *Juris. & Politics* (IV 2) | 2 |
| *Art* (VI 1) | 2 | *Art* (VI 2) | 2 |
| Graphics 7 | 3 | Graphics 8 | 2 |
| *Spanish* (XVII 1) | 2 | *Spanish* (XVII 2) | 2 |
| Theo. Chem. (XXII 3) | 2 | *Prac. Physics* (XXI 10) | 2 |
| Med. History (III 7) | 2 | Med. History (III 8) | 2 |
| Graphics 7 | 3 | *Bible* (XVIII 4) | 2 |
| *Diff. Equa.* (XIX 9) | 2 | Exp. Psychology (II 4) | 2 |
| Biology (XXV 3) | 2 | *Diff. Equa.* (XIX 10) | 2 |
| *French Lit.* (XV 7) | 2 | *Histology* (XXV 10) | 2 |
| Shakespeare (XI 5) | 2 | *French Lit.* (XV 8) | 2 |
| *Italian* XVI 1) | 2 | *Italian* (XVI 2) | 2 |
| Surveying | 2 | *Physics* (XXI 4) | 2 |
| English Lit. 5 | 2 | History (III 6) | 2 |
| German 7 | 2 | German 8 | 2 |
| *Mod. History* (III 9) | 2 | *Mod. History* (III 10) | 2 |
| | | English Lit. 6 | 2 |
| | | *Chem. Physics* (XXI 7) | 2 |
| | | Practical Botany (XXV 4) | 2 |
| Geology (XXIV 3) | 2 | Geology (XXIV 4) | 2 |
| | | French 10 | 2 |
| | | Anal. Mechanics (XXI 6) | 2 |
| *Old English* (XI 9) | 2 | *Old & Mid. Eng.* (XI 10) | 2 |
| *Geometry* (XIX 11) | 2 | *Geometry* (XIX 12) | 2 |
| French 9 | 2 | Vert. Anatomy (XXV 6) | 2 |
| Bible (XVIII 3) | 2 | *Invert. Morphol.* (XXV 8) | 2 |
| Logic (II 9) | 2 | *Logic* (II 10) | 2 |
| Pope to Words. (XI 7) | 2 | Spen. & Milton (XI 8) | 2 |

# SENIOR YEAR.

## ELECTIVE.

**Bracketed subjects are mutually exclusive, and only one subject in any bracketed group may be elected.**

| Student takes 14 or 15 exercises. | | Student takes 14 or 15 exercises. | |
|---|---|---|---|
| Theism (I 7) | | *Pract. Physics* (XXI 10) | 2 |
| *Spanish* (XVII 1) | 2 | *Spanish* (XVII 2) | 2 |
| Prac. Physics (XXI 11) | 2 | Pract. Physics (XXI 12) | 2 |
| *Juris. & Politics* (IV 1) | 2 | *Juris. & Politics* (IV 2) | 2 |
| *Art* (VI 1) | 2 | *Art* (VI 2) | 2 |
| Old French (XV 13) | 2 | Old French (XV 14) | 2 |
| *Old English* (XI 9) | 2 | *Old and Mid. Eng.* (XI 10) | 2 |
| *Geometry* (XIX 11) | 2 | Geometry (XIX 12) | 2 |
| Mamm. Anat. (XXV 15) | 2 | Histology (XXV 12) | 2 |
| | | Graphics 10 | 1 |
| Applied Chemistry 7 | 2 | Applied Chemistry 8 | 4 |
| Art (VI 3) | 2 | Art (VI 4) | 2 |
| Astronomy (XX 3) | 2 | French 12 | 2 |
| French 11 | 2 | | |
| Hist. of Philos. (II 5) | 2 | Hist. of Philos. (II 6) | 2 |
| Exp. Psychol. (II 17) | 2 | Exp. Psychol. (II 18) | 2 |
| *Mod. History* (III 9) | 2 | *Mod. History* (III 10) | 2 |
| The. of Func. (XIX 17) | 2 | Theor. of Func. (XIX 18) | 2 |
| *Italian* (XVI 1) | 2 | *Chem. Physics* (XXI 7) | 2 |
| Physics (XXI 5) | 2 | *Italian* (XVI 2) | 2 |
| Nerv. System (XXV 19) | 2 | *Physics* (XXI 4) | 2 |
| Physiology (XXV 13) | 2 | *Histology* (XXV 10) | 2 |
| History (III 13) | 2 | Organic Chemistry 2 | 2 |
| Hist. Nat. Phil. (XXI 13) | 2 | History (III 14) | 2 |
| Osteology (XXV 11) | 2 | Hist. Nat. Phil. (XXI 14) | 2 |
| Geometry (XIX 15) | 2 | *Invert. Morphol.* (XXV 8) | 2 |
| American Hist. (III 15) | 2 | Tech. Chemistry 12 | 1 |
| Prac. Astron. (XX 5) | 2 | Prac. Astron. (XX 6) | 2 |
| Organic Chemistry 1 | 2 | Organic Chemistry 4 | 4 |
| French Lit. (XV 7) | 2 | French Lit. (XV 8) | 2 |
| Mineralogy 17 | 1 | Mineralogy 18 | 1 |
| Palæontology (XXIV 17) | 2 | Palæontology (XXIV 18) | 2 |
| Political Econ. (V 5) | 2 | History (III 18) | 2 |
| | | English Lit. (XI 14) | 2 |

| | |
|---|---|
| Political Econ. (v 3) | 2 |
| *Diff. Equations* (xix 9) | 2 |
| Physiology (xxv 13) | 2 |
| Art (vi 9) | 2 |
| Bible (xviii 3) | 2 |
| Geology (xxiv 5) | 2 |
| Italian (xvi 3) | 2 |
| Contemp. Pol. (iv 5) | 2 |
| Geometry (xviii 15) | 2 |
| Osteology (xxiv 11) | 2 |
| Graphics 9 | 2 |
| Gen. Psychology (ii 19) | 2 |
| Rom. Hist. (iii 4) | 2 |
| American Lit. (xi 11) | 2 |
| Sociology (v 5) | 2 |
| Spanish (xvi 3) | 2 |
| English Lit. (xi 13) | 2 |
| German 9 | 2 |
| Political Econ. (v 4) | 2 |
| *Diff. Equations* (xix 10) | 2 |
| Applied Chemistry 8 | 4 |
| Science and Religion (i 4) | 2 |
| Art (vi 10) | 2 |
| Geology (xxiv 6) | 2 |
| Italian (xvi 4) | 2 |
| Political Econ. (v 6) | 2 |
| *Anal. Mechanics* (xxi 6) | 2 |
| Embryology (xxv 14) | 2 |
| Juris. & Politics (iv 6) | 2 |
| Motors 12 | 4 |
| Her. & Descent (ii 22) | 2 |
| Physical Geog. xxiii 2) | 2 |
| Interp. of Lit. (xi 12) | 2 |
| Geometry (xix 16) | 2 |
| Motors 12 | 4 |
| Spanish (xvii 4) | 2 |
| *Bible* (xviii 4) | 2 |
| German 10 | 2 |

## COURSE IN CHEMISTRY (*a*, *c*).

The required studies of the Freshman and Sophomore years are the same as those in the course in General Science. The student should take Mineralogy and Applied Chemistry as electives in Sophomore year.

### JUNIOR YEAR.

| *First Term.* | | *Second Term.* | |
|---|---|---|---|
| Physics 1 | 4 | Physics 2 | 4 |
| Astronomy (xx 1) | 2 | Geology (xxiv 2) | 2 |
| Psychology | 2 | Political Economy | 3 |
| Applied Chem. 3, 5 | 5 | Ethics | 2 |
| Elective | 2 | Applied Chem. 4 | 5 |

### SENIOR YEAR.

| | | | |
|---|---|---|---|
| Applied Chem. 7, 9, 17 | 9 | Ap. Chem. 10, 12, 14 18 | 10 |
| Elective | 6 | Elective | 4 |

# COURSE IN CIVIL ENGINEERING (*e*).

## FRESHMAN YEAR.

| *First Term.* | | *Second Term.* | |
|---|---|---|---|
| Mathematics 3, 7 | 5 | Mathematics 8 | 5 |
| German 1 | 2 | German 2 | 2 |
| French 1 | 2 | French 2 | 2 |
| English 1 | 2 | English 2 | 2 |
| Graphics 1 | 3 | Geodesy 2 | 3 |
| General Chemistry 1 | 2 | General Chemistry 2 | 2 |

## SOPHOMORE YEAR.

| | | | |
|---|---|---|---|
| Mathematics 11 | 5 | Mathematics 12 | 3 |
| German 3 | 2 | English 4 | 1 |
| French 3 | 2 | Mechanics 2 | 2 |
| Geodesy 3 | 5 | Geodesy 4 | 4 |
| Graphics 3 | 2 | Graphics 4, 6 | 3 |
| | | Mineralogy 16 | 3 |

## JUNIOR YEAR.

| | | | |
|---|---|---|---|
| Physics 1 | 2 | Physics 2 | 4 |
| Astronomy (xx 1) | 2 | Geology (xxiv 2) | 2 |
| Mechanics 3 | 4 | Str. of Materials 6 | 3 |
| Ap. Graph. Stat. 5 | 2 | Geodesy 6 | 3 |
| Geodesy 5 | 3 | Graphics 8 | 2 |
| Graphics 7 | 3 | Pract. Astron. (xx 6) | 2 |

Two weeks of summer work in Geodesy.

## SENIOR YEAR.

| | | | |
|---|---|---|---|
| Framed Structures 7 | 7 | Motors 12 | 4 |
| Masonry Structures 11 | 3 | Framed Structures 8 | 1 |
| Hydraulics 9 | 2 | Constructions 2 | 2 |
| Graphics 9 | 2 | Water Works 4 | 2 |
| Geodesy 9 | 2 | Graphics 10 | 1 |
| | | Roads 8 | 2 |
| | | Drainage 6 | 2 |
| | | Laboratory 10 | 2 |

## SCHOOL OF SCIENCE FRESHMAN FIRST TERM SCHEDULE—1901-1902.

| | MONDAY | | TUESDAY | | WEDNESDAY | | THURSDAY | | FRIDAY | | SATURDAY | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | Math | *e* 1 [31 | Math | *e* 1 [31 | Math | *e* 1 [31 | Latin<br>Graphics | *a* 2 [3<br>*e* | Latin<br>Math | *a* 2 [3<br>*e* 1 [31 | Latin<br>Math | *a* 2 [3<br>*e* 1 [31 |
| 9 | German<br>French<br>French<br>Chemistry | II [31<br>VI [1<br>IV [3<br>I, III, V | German<br>French<br>French<br>Chemistry | II [31<br>VI [1<br>IV [3<br>I, III, V | Math<br>Math | *a* 1 [1<br>*e* 2 [31 | Latin<br>Math | *a* 3 [3<br>*a* 1 [1 | Latin<br>Math<br>Math | *a* 3 [3<br>*a* 1 [1<br>*e* 2 [31 | Latin<br>Math<br>Math | *a* 3 [3<br>*a* 1 [1<br>*e* 2 [31 |
| 10 | Math | *e* 2 [31 | Math | *e* 2 [31 | Math | *a* 2 [1 | Latin<br>Math | *a* 1 [3<br>*a* 2 [1 | Latin<br>Math<br>Graphics | *a* 1 [3<br>*a* 2 [1<br>*e* | Latin<br>Math<br>Graphics | *a* 1 [3<br>*a* 2 [1<br>*e* |
| 11 | German<br>French<br>French<br>Chem | III [31<br>I [1<br>V [3<br>II, IV, VI | German<br>French<br>French<br>Chem | III [31<br>I [1<br>V [3<br>II, IV, VI | Math | *a* 3 [1 | Math | *a* 3 [1 | Math | *a* 3 [1 | Math | *a* 3 [1 |
| 3 | | | | | | | E | B [1 | En lish | B [1 | | |
| 4 | English<br>German<br>French | VI [1<br>IV [31<br>II [3 | English<br>German<br>French | VI [1<br>IV [31<br>II [3 | | | English<br>German | C [1<br>VI [31 | English<br>German | C [1<br>VI [31 | | |
| 5 | English<br>German<br>French | I [1<br>V [31<br>III [3 | English<br>German<br>French | I [1<br>V [31<br>III [3 | | | English<br>German | D [1<br>I [31 | English<br>German | D [1<br>I [31 | | |

Numbers in heavy-faced type give rooms in the School of Science Building.

## SCHOOL OF SCIENCE FRESHMAN SECOND TERM SCHEDULE—1901-1902.

| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 8 | Math *e* 1 [31 | Math *e* 1 [31 | Math *e* 1 [31 | Latin *a* 2 [ 3<br>Geodesy *e* 1 [12 | Latin *a* 2 [ 3<br>Math *e* 1 [31 | Latin *a* 2 [ 3<br>Math *e* 1 [31 |
| 9 | German II [31<br>French VI [ 1<br>French IV [ 3<br>Chemistry I, III, V | German II [31<br>French VI [ 1<br>French IV [ 3<br>Chemistry I, III, V | Math *a* 1 [ 1<br>Math *e* 2 [31 | Latin *a* 3 [ 3<br>Math *a* 1 [ 1 | Latin *a* 3 [ 3<br>Math *a* 1 [ 1<br>Math *e* 2 [31 | Latin *a* 3 [ 3<br>Math *a* 1 [ 1<br>Math *e* 2 [31 |
| 10 | Math *e* 2 [31 | Math *e* 2 [31 | Math *a* 2 [ 1 | Latin *a* 1 [ 3<br>Math *a* 2 [ 1<br>Geodesy *e* 2 [12 | Latin *a* 1 [ 3<br>Math *a* 2 [ 1<br>Geodesy *e* 1 [12 | Latin *a* 1 [ 3<br>Math *a* 2 [ 1<br>Geodesy *e* 1 [12 |
| 11 | German III [31<br>French I [ 1<br>French V [ 3<br>Chem II, IV, VI | German III [31<br>French I [ 1<br>French V [ 3<br>Chem II, IV, VI | Math *a* 3 [ 1 | Math *a* 3 [ 1 | Math *a* 3 [ 1<br>Geodesy *e* 2 [12 | Math *a* 3 [ 1<br>Geodesy *e* 2 [12 |
| 3 | | | | English B [ 1 | English B [ 1 | |
| 4 | English VI [ 1<br>German IV [31<br>French II [ 3 | English VI [ 1<br>German IV [31<br>French II [ 3 | | English C [ 1<br>German VI [31 | English C [ 1<br>German VI [31 | |
| 5 | English I [ 1<br>German V [31<br>French III [ 3 | English I [ 1<br>German V [31<br>French III [ 3 | | English D [ 1<br>German I [31 | English D [1<br>German I [31 | |

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SCHOOL OF SCIENCE SOPHOMORE FIRST TERM SCHEDULE.—1901–1902.

| | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|---|---|---|---|---|---|---|
| 8 | Geodesy *e* [12 | Geodesy *e* [12 | English *a* 3 [12<br>Math *e* [7 | English *a* 3 [12<br>Math *e* [7 | Math *e* [7<br>El Mineral *a*<br>El Graphics *a* | Math *e* [7<br>El Mineral *a*<br>El Graphics *a* |
| 9 | History *a* 3 [10 | History *a* 3 [10<br>Math *a* 1 [7 | English *a* 2 [12<br>Math *a* 1 [7 | English *a* 2 [12<br>Math *a* 1 [7 | | |
| 10 | History *a* 1 [10<br>Geodesy *e* [12 | History *a* 1 [10<br>Math *a* 2 [7<br>Geodesy *e* [12 | English *a* 1 [12<br>Math *a* 2 [7<br>Geodesy *e* [12 | English *a* 1 [12<br>Math *a* 2 [7<br>Graphics *e* | German *a* 1 [7<br>French *e* 1 [31 | German *a* 1 [7<br>French *e* 1 [31 |
| 11 | History *a* 2 [10 | History *a* 2 [10<br>Math *a* 3 [7 | Math *a* 3 [7 | Math *a* 3 [7 | German *a* 2 [7<br>German *a* 3 [3<br>French *e* 2 [31 | German *a* 2 [7<br>German *a* 3 [3<br>French *e* 2 [31 |
| 3 | Math *a* 1 [7<br>Graphics *e* | El Mineral *a*<br>El Graphics *a* | | German *e* 1 [3 | German *e* 1 [3 | |
| 4 | Math *a* 2 [7 | Math *e* [28 | | German *e* 2 [3<br>El French *a* 1 [13 | German *e* 2 [3<br>El French *a* 1 [13 | |
| 5 | Math *a* 3 [7 | | | El Latin *a* [3<br>El German *a* [7<br>El French *a* 2 [13 | El Latin *a* [3<br>El German *a* [7<br>El French *a* 2 [13 | |

Numbers in heavy-faced type give rooms in the School of Science Building.

## SCHOOL OF SCIENCE SOPHOMORE SECOND TERM SCHEDULE—1901-1902.

| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 8 | Graphics 4 *e* | Math *e* [7 | Math *e* [7 | Math *e* [7 | Ap Mechs *e* 1 [28 | Ap Mechs *e* 1 [28 |
| 9 | Logic *a* [10 | | French *a* 3 [28<br>Math *a* 1 [7 | French *a* 3 [28<br>Math *a* 1 [7 | Ap Mechs *e* 2 [28<br>Logic *a* [10 | Ap Mechs *e* 2 [28<br>Logic *a* [10 |
| 10 | El Ap Chem 2 *a*<br>El Biology 2 *a* [25<br>El Graphics 6 *a*<br>Geodesy *e* [12 | El Ap Chem 2 *a*<br>El Biology 2 *a* [25<br>El Graphics 6 *a*<br>Geodesy *e* [12 | English *e* [10<br>French *a* 1 [28<br>Math *a* 2 [7 | French *a* 1 [28<br>Math *a* 2 [7<br>Mineralogy *e* | El French *a* 1 [7<br>Mineralogy *e* | El French *a* 1 [7<br>Mineralogy *e* |
| 11 | | | French *a* 2 [28<br>Math *a* 3 [7 | French *a* 2 [28<br>Math *a* 3 [7 | El Latin *a* [3<br>El German *a* [31<br>El French *a* 2 [7 | El Latin *a* [3<br>El German *a* [31<br>El French *a* 2 [7 |
| 3 | Math *a* 1 [7<br>Geodesy *e* [12 | Math *a* 1 [7<br>Geodesy *e* [12 | | El Ap Chem 2 *a*<br>El Biology 2 *a* [25<br>El Graphics 6 *a*<br>Graphics 4 *e* | El Ap Chem 2 *a*<br>El Biology 2 *a* [25<br>El Graphics 6 *a*<br>Graphics 4 *e* | |
| 4 | Math *a* 2 [7 | Math *a* 2 [7 | | | | |
| 5 | Math *a* 3 [7 | Math *a* 3 [7 | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | | | | Adv Logic *g*<br>Ap Mechs† *e*<br>*Bible* *g* | Adv Logic *g*<br>Ap Mechs† *e*<br>*Bible* *g* | |
| 5 | Psychology *a* [10 | Psychology *a* [10 | | Geology 3 *g* | Geology 3 *g* | |

* First half of term. † Second half of term.

## SCHOOL OF SCIENCE JUNIOR SECOND TERM SCHEDULE—1901–1902.

| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 8 | | Pol Economy *a* | Logic 10 *g*<br>Spens & Milton *g*<br>*Invert Morph* 8 *g* | Logic 10 *g*<br>Spens & Milton *g*<br>*Invert Morph* 8 *g* | History 6 *g*<br>*Italian* 2 *g*<br>*Physics* 4 *g* | History 6 *g*<br>*Italian* 2 *g*<br>*Physics* 4 *g*<br>Ap Chem 4 *c* |
| 9 | Physics *a, e* | Physics *a, e* | Physics *a, e* | Physics *a, e* | Geology 2 *a, e* | Geology 2 *a, e* |
| 10 | *Jur & Pol* 2 *g*<br>*Art* 2 *g*<br>Ap Chem 4 *c*<br>Graphics 8 *g, e* | *Jur & Pol* 2 *g*<br>*Art* 2 *g*<br>Ap Chem 4 *c*<br>Graphics 8 *g, e* | History 8 *g*<br>*Bible* 6 *g*<br>Ap Chem 4 *c*<br>Geodesy 6 *e* [12 | History 8 *g*<br>*Bible* 6 *g*<br>Ap Chem 4 *c*<br>Str Materials *e* | Str Materials *e* | Str Materials *e* |
| 11 | *Spanish* 2 *g*<br>*Pract Physics* *g* | *Spanish* 2 *g*<br>*Pract Physics* *g* | *History* 10 *g*<br>Engl Lit 6 *g*<br>*Chem Physics* *g*<br>Prac Botany 4 *g* | *History* 10 *g*<br>Engl Lit 6 *g*<br>*Chem Physics* *g*<br>Pract Botany 4 *g* | *French Lit* 8 *g* | *French Lit* 8 *g* |
| 3 | *Old English* *g*<br>*Geometry* *g*<br>Vert Anat 6 *g*<br>Geodesy 6 *e* [12 | *Old English* *g*<br>*Geometry* *g*<br>Vert Anat 6 *g*<br>Geodesy 6 *e* [12 | | Ex Psy (2 p m) *g*<br>*Diff Equations* *g*<br>*Histol* 10 (2 p m) *g* | Ex Psy (2 p m) *g*<br>*Diff Equations* *g*<br>*Histol* 10 (2 p m) *g* | |
| 4 | Ethics *a* [10 | Ethics *a* [10 | | German 8 *g*<br>Pract Astron *e* | German 8 *g*<br>Pract Astron *e* | |
| 5 | Pol Economy *g* | Pol Economy *a* | | French 10 *g*<br>*Anal Mechs* 6 *g*<br>Geology 4 *g* | French 10 *g*<br>*Anal Mechs* 6 *g*<br>Geology 4 *g* | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | Art 3 | g | Art 3 | g | Art 9 | g | Art 9 | g |
| | Astronomy 3 | g | Astronomy 3 | g | Italian 3 | g | Italian 3 | g |
| | Ap Chem 7 | g, c | Ap Chem 7 | g, c | Geology 5 | g | Geology 5 | g |
| | | | | | *Bible* | g | *Bible* | g |
| 5 | Sociology | g | Sociology | g | Framed Structs | e | Framed Structs | e |
| | Spanish 3 | g | Spanish 3 | g | | | | |

## SCHOOL OF SCIENCE SENIOR SECOND TERM SCHEDULE—1901–1902.

| | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 8 | Ap Chemistry 10 *c*<br>Embryology 14 *g* | Ap Chemistry 10 *c*<br>Embryology 14 *g* | Hist Nat Phil *g*<br>*Invert Morph* 8 *g*<br>Ap Chemistry 10 *c* | Hist Nat Phil *g*<br>*Invert Morph* 8 *g*<br>Ap Chemistry 10 *c* | History 14 *g*<br>*Italian* 2 *g*<br>*Physics* 4 *g*<br>*Histology* 10 *g*<br>Org Chem 2 *g* | History 14 *g*<br>*Italian* 2 *g*<br>*Physics* 4 *g*<br>*Histology* 10 *g*<br>Org Chem 2 *g* |
| 9 | Interp of Lit *g*<br>Geometry 16 *g*<br>Phys Geography *g*<br>Motors 12 *g*, *e* | Interp of Lit *g*<br>Geometry 16 *g*<br>Phys Geography *g*<br>Motors 12 *g*, *e* | Hist of Phil *g*<br>Water Works *e* | Hist of Phil *g*<br>Water Works *e* | Her & Descent *g*<br>Jur & Pol 6 *g*<br>Motors 12 *g*, *e* | Her & Descent *g*<br>Jur & Pol 6 *g*<br>Motors 12 *g*, *e* |
| 10 | *Jur & Pol* 2 *g*<br>*Art* 2 *g*<br>Old French 14 *g*<br>Ap Chemistry 10 *c* | *Jur & Pol* 2 *g*<br>*Art* 2 *g*<br>Old French 14 *g*<br>Ap Chemistry 10 *c* | German 10 *g*<br>*Bible* 6 *g*<br>Assaying 14 *c* | German 10 *g*<br>*Bible* 6 *g*<br>Assaying 14 *c* | History 18 *g*<br>Eng Lit 14 *g*<br>Palæontology 18 *g* | History 18 *g*<br>Eng Lit 14 *g*<br>Palæontology 18 *g* |
| 11 | *Spanish* 2 *g*<br>*Pract Physics* 10 *g*<br>Pract Physics 12 *g*<br>Roads *e* | *Spanish* 2 *g*<br>*Pract Physics* 10 *g*<br>Pract Physics 12 *g*<br>Roads *e* | Exp Psyc 18 *g*<br>*History* 10 *g*<br>Th of Functions *g*<br>*Chem Physics* *g*<br>Constructions 2 *e* | Exp Psyc 18 *g*<br>*History* 10 *g*<br>Th of Functions *g*<br>*Chem Physics* *g*<br>Constructions 2 *e* | *French Lit* 8 *g*<br>Pract Astron *g*<br>Org Chem 4 *g*<br>Drainage *e*<br>Mineralogy 18 *g*, *c* | *French Lit* 8 *g*<br>Pract Astron *g*<br>Org Chem 4 *g*<br>Drainage *e*<br>Tech Chem 12 *g*, *c* |
| 3 | *Old & Mid Engl* *g*<br>*Solid Geometry* *g*<br>Ap Chemistry 8 *g*<br>Histology 12 *g*<br>Graphics 10 *g*, *e* | *Old & Mid Engl* *g*<br>*Solid Geometry* *g*<br>Ap Chemistry 8 *g*<br>Histology 12 *g*<br>Laboratory *e* | | Pol Econ 4 *g*<br>*Diff Equations* *g*<br>Ap Chemistry 8 *g*<br>Laboratory *e* | Pol Econ 4 *g*<br>*Diff Equations* *g*<br>Ap Chemistry 8 *g* | |
| 4 | Art 4 *g*<br>French 12 *g* | Art 4 *g*<br>French 12 *g* | | Science & Rel *g*<br>Art 10 *g*<br>Geology 6 *g* | Science & Rel *g*<br>Art 10 *g*<br>Geology 6 *g* | |
| 5 | | | | Pol Econ 6 *g*<br>Italian 4 *g*<br>*Anal Mechs* 6 *g* | Pol Econ 6 *g*<br>Italian 4 *g*<br>*Anal Mechs* 6 *g*<br>Framed Struct *e* | |

# THE GRADUATE SCHOOL.

The affairs of the Graduate School are administered by a Dean, with an Advisory Committee of the University Faculty. The committee consists of the President and Dean, *ex-officio*, and Professors Brackett, Scott, Magie, Fine, Woodrow Wilson, Harper, and Thompson. All inquiries should be addressed to Professor West, Dean of the Graduate School.

Immediately after the beginning of the Academic year, students entering the Graduate School, who are graduates of any approved institution other than Princeton University, or who, if graduates of Princeton University, have afterwards matriculated in some other university, meet according to announcement for matriculation.

Each graduate student attending instruction regularly, and passing the examinations, is entitled to a certificate stating what he has done, signed by the President in behalf of the University.

Students by pursuing these courses may also qualify themselves for the degree of Master of Arts or Master of Science. The degree of Doctor of Philosophy, or Doctor of Science, is conferred according to the regulations prescribed under the heading "Degrees."

Each graduate student shall pay ten dollars, or such sum as the Faculty may require, for every course of instruction that he enters requiring an hour per week, and shall defray whatever expense may be incurred by the use of instruments and materials employed by him. This charge may be remitted in whole or in part when the circumstances of the student require it. All undergraduate courses of lectures or instruction are also open to graduate students

without the payment of any fees except for material used. Charges will be made for courses in analytical chemistry, the amount to depend on the nature of the course pursued.

Arrangements for the particular courses should be made by application to the individual instructors.

## GRADUATE COURSES OF INSTRUCTION.

The following academic courses are classed as Graduate courses, and are such as may properly be attended by candidates for the Master's or Doctor's degrees. As may be seen from the more detailed statements to which reference is made, some of these courses are open to graduates only, while others are also undergraduate electives. In many subjects other special courses may be arranged on consultation with the professors.

MORAL PHILOSOPHY : Courses 4 to 12.
MENTAL PHILOSOPHY : Courses 5 to 34.
HISTORY AND POLITICAL SCIENCE : Courses 4 to 18.
JURISPRUDENCE AND POLITICS : Courses 1 to 12.
POLITICAL ECONOMY : Courses 3 to 12.
ARCHÆOLOGY AND THE HISTORY OF ART : Courses 3 to 10.
SEMITIC LANGUAGES : Courses 1 to 3.
INDO-IRANIAN : Courses 1 to 8.
GREEK : Courses 15 to 27.
LATIN : Courses 17 to 34.
ENGLISH : Courses 9 to 24.
GERMAN : Courses 13 to 22.
FRENCH : Courses 7 to 26.
ITALIAN : Courses 3 and 4.
MATHEMATICS : Courses 11 to 40.
ASTRONOMY : Courses 7 to 12.
PHYSICS : Courses 13 to 20.
CHEMISTRY : Courses 9 to 14, see also the courses offered in the School of Science.

PHYSICAL GEOGRAPHY : Courses 4 to 8.

GEOLOGY : Courses 3 to 6.

BIOLOGY : An advanced course in Biology has been established in connection with the Geological, Zoological, Botanical, and Chemical departments, the objects in view being : (1) to foster a spirit of original research, (2) to qualify advanced students to become teachers. This course is open to graduates, also to students presenting diplomas from recognized medical schools.

It is not restricted to students who are candidates for a degree, if the applicants possess sufficient elementary knowledge to profit by the instruction.

This course is of a comprehensive and elastic character, and according to the requirements and wishes of different students, includes much laboratory work under the direction of the instructor. At the close of the first term, the student may select a department of special study for his thesis, which must present the results of original work.

ARCHITECTURE: Courses 1 to 4.

## DEGREES.

Students of the University, who have passed all the examinations of their undergraduate courses and fulfilled all the prescribed conditions are ordinarily recommended by the Faculty for a degree. The degrees thus given are Bachelor of Arts, Bachelor of Science and Civil Engineer. The degree of Electrical Engineer is given to those students who have fulfilled the requirements of the School of Electrical Engineering.

### MASTER OF ARTS. (A.M.)

The degree of Master of Arts may be conferred only upon a Bachelor of Arts of this or any approved institution who shall have devoted one year exclusively to graduate study in the University under the care of the Faculty, pass-

ing examinations upon the studies pursued; or shall have taken graduate courses involving at least two hours a week each term for four terms and passed satisfactory examinations upon these courses, and such extra reading as may be assigned. The degree may also be conferred upon a Bachelor of Arts of this University who shall have submitted to the Faculty a satisfactory dissertation, ordinarily of not less than five thousand words, on some literary, philosophical, or scientific subject previously approved by the Faculty, in April, not earlier than the third year after graduation. The fee for this degree is ten dollars, to be paid to the University Treasurer either before the candidate enters his last examinations, or else when his dissertation is handed in.

Every resident candidate shall announce to the Faculty, at least eight months before the degree can be conferred, the subjects which he intends to offer for examination. These subjects shall be such as to form a consistent and well co-ordinated body of studies, and shall be subject to the approval of the Faculty.

### Master of Science. (M.S.)

The degree of Master of Science may be conferred upon a Bachelor of Science of this or of any approved institution who shall have devoted one year exclusively to graduate study in the University under the care of the Faculty, passing examinations upon the studies pursued; or shall have taken graduate courses involving at least two hours a week each term for four terms and passed satisfactory examinations upon these courses, and such extra reading as may be assigned. The degree may also be conferred upon a Bachelor of Science of this University who shall have submitted to the Faculty a satisfactory dissertation, ordinarily of not less than five thousand words, on some literary, philosophical, or scientific subject, previously approved by the Faculty, in April, not earlier than the third year after graduation.

The fee for this degree is ten dollars, to be paid to the University Treasurer either before the candidate enters his last examinations, or else when his dissertation is handed in.

Every resident candidate shall announce to the Faculty, at least eight months before the degree can be conferred, the subjects which he intends to offer for examination. These subjects shall be such as to form a consistent and well co-ordinated body of studies, and shall be subject to the approval of the Faculty.

Any Bachelor of Arts who satisfies the Faculty that he has had adequate training in Science may become a candidate for the degree of Master of Science on the same conditions as a Bachelor of Science.

## Degree of Doctor of Philosophy (Ph.D.) in Princeton University.

Subject to the regulations hereinafter stated, the degree of Doctor of Philosophy may be conferred upon any Bachelor of Arts of Princeton University, or of any approved institution whose Academic course is equivalent to that pursued in Princeton, provided he has spent at least two years in exclusive study for the degree. One of the two years must be spent in Princeton, and the other either at Princeton or some other approved university.

Applications for enrolment as candidates from those who hold some other Bachelor's degree than that in Arts, or for permission to count two or more years spent at another university as the residence necessary for the degree, will be considered in exceptional cases.

### *Regulations.*

I. *The Preliminary Examination.*—Every applicant before enrolment as a candidate for the Doctor's degree must pass an examination in Princeton on the first Wednesday following the opening of the Academic year in September.

All applicants are examined on their ability to read ordinary French and German with a fluency sufficient to ensure their use as instruments of advanced study. They are also examined in the group of subjects connected with the general department of their proposed studies as detailed below:

A. In the Department of Philosophy: Ability to read Latin with a fluency sufficient to ensure its use as an instrument of advanced study; general psychology and logic; history of philosophy, ancient and modern; outlines of general history.

B. In the Department of Language and Literature: Outlines of general history; general knowledge of the English language and literature; ability to read Greek and Latin with fluency sufficient to ensure their use as instruments of advanced study.

C. In one of the following six groups in the Department of Mathematics and Science:

1. In Mathematics: Elementary mathematics, including trigonometry, analytical geometry, the elements of the theory of equations, and the differential and integral calculus.

2. In Astronomy: Elementary mathematics, including trigonometry and analytical geometry; general astronomy; general physics.

3. In Physics: Elementary mathematics, including trigonometry and analytical geometry; general physics.

4. In Chemistry; General chemistry; general physics.

5. In Geology and Physical Geography: Elements of geology, zoology and botany; general chemistry.

6. In Biology: Elements of zoology and botany; general chemistry.

II. *Chief Subject of Study.*—Every candidate, after passing his preliminary examination and before entering on his studies for the Doctor's degree, shall announce which one of the subjects in the appended list he selects as his chief subject, and shall thereupon present to the Committee on

the Graduate Department for their approval a statement of the said chief subject to which he intends devoting himself while a candidate, with such fulness of explanation as the committee may require.

A. Department of Philosophy: Logic, psychology, ethics, metaphysics, history of philosophy, philosophy of religion, history, political economy, science of politics, jurisprudence, archæology and art.

B. Department of Language and Literature: Sanskrit, Greek, Latin, French, German, Italian, English (including Old English).

C. Department of Mathematics and Science: Mathematics, astronomy, physics, chemistry, geology and physical geography, biology.

III. *The Subsidiary Subjects.*—In addition to the chief subject the candidate shall select two suitable subsidiary subjects and announce them to his examiners at some time in the first year of his course. One of these must be logic, psychology, ethics, or the history of philosophy, unless the candidate has chosen for his chief subject any one of those just named or else passes a satisfactory special examination on some one of them before entering upon his course as a candidate. The subsidiary subjects should be cognate to the chief subject, but not included under it, and with this restriction any study enumerated in the lists of chief subjects may be taken, as well as the following which are not thus enumerated: physiological psychology, pedagogics.

IV. *The Thesis.*—The candidate shall present a thesis on some special topic in the department which constitutes his chief subject at least four months before the degree can be granted. The thesis is not ordinarily to exceed twenty thousand words in length and shall not be accepted unless it contains evidence of thorough scholarship and ability to pursue original research, and, if accepted, it must be published by the candidate before the degree can be conferred.

If the thesis is not accepted, the candidate will not be admitted to the final examination.

V. *The Final Examination.*—After the thesis has been accepted the candidate may proceed to his final examination at a time appointed by the Committee on the Graduate Department. This examination in the chief and subsidiary subjects is to be conducted orally in the presence of the Faculty, and cannot be divided. In the chief subject, however, there may be a written examination in addition to the oral, if the examiner so requires. The candidate will be examined on his general knowledge of the chief subject, and will be expected to show in addition a minute and complete acquaintance with some one principal part of it.

VI. *The Conferring of the Degree.*—Candidates who pass the final examination are ordinarily recommended to the Trustees for the Doctor's degree, and if the Trustees adopt the recommendation, the degree is publicly conferred by the President at the annual Commencement in June. The degree of Doctor of Philosophy carries with it that of Master of Arts.

VII. *Fees.*—Those who apply for the degree shall pay to the University Treasurer a fee of forty dollars before entering the preliminary examination, twenty-five dollars each year thereafter, and fifty dollars when the thesis is handed in for examination.

## Degree of Doctor of Science (D.Sc.) in Princeton University.

Subject to the regulations hereinafter stated, the degree of Doctor of Science may be conferred upon any Bachelor of Science of Princeton University, or of any approved college or scientific school whose course is equivalent to that pursued in Princeton, provided he has spent at least two years in exclusive study for the degree. One of the two

years must be spent in Princeton, and the other either at Princeton or some other approved university.

Applications for enrolment as candidates from those who hold some other Bachelor's degree than that in Science, or for permission to count two or more years spent at another university as the residence necessary for the degree, will be considered in exceptional cases.

I. *The Preliminary Examination.*—Every applicant before enrolment as a candidate for the Doctor's degree must pass an examination in Princeton on the first Wednesday following the opening of the Academic year of the University in September.

All applicants are examined on their ability to read ordinary French and German with a fluency sufficient to ensure their use as instruments of advanced study and research.

They are also examined in the particular group of subjects connected with the subject of their proposed studies, as detailed below:

1. Mathematics: Elementary mathematics, including trigonometry, analytical geometry, the elements of the theory of equations, and of the differential and integral calculus.

2. Astronomy: Elementary mathematics, including trigonometry, analytical geometry, and the elements of the differential and integral calculus, general astronomy, general physics.

3. Physics: Elementary mathematics, including trigonometry, analytical geometry, and the elements of the differential and integral calculus, general physics, general chemistry.

4. Chemistry: General chemistry, general physics.

5. Mineralogy: Elements (including crystallography), general chemistry, general physics.

6. Geology and Physical Geography: Elements of geology, zoology, and botany, general chemistry.

7. Biology: Elements of zoology and botany, general chemistry.

II. *Chief Subject of Study.*—After passing the preliminary examination every candidate shall announce which of the following departments he selects for his chief subject of study:

1. Mathematics: Including higher differential and integral calculus; differential equations; geometry (conics, higher plane curves, geometry of three dimensions); theory of functions, elliptic functions, analytical mechanics. In the final examination the candidate will also be tested with reference to his ability to make a computation with reasonable skill and accuracy. This will be necessary only where the candidate has had no satisfactory laboratory or observatory work.

2. Astronomy: Including either practical astronomy and theory of observations, or computation of orbits and ephemerides.

3. Physics.

4. Chemistry. A portion of the time will be required for the study of qualitative and quantitative chemistry, unless the candidate is already sufficiently proficient in these branches.

5. Mineralogy.

6. Geology and Physical Geography: Including either practical and engineering geology, with field work, or application of palæontology to determinations of formations, or physical geography.

7. Biology: Including the morphology, histology, and embryology of some one class of animals or plants; physiology; histological methods and practice; animal embryology; modes of reproduction of plants.

III. *The Subsidiary Subjects.*—In addition to the chief subject the candidate shall select two suitable subsidiary subjects and announce them to his examiners at some time

in the first year of his course. The subsidiary subjects should be cognate to the chief subject, but not included under it, and with this restriction any study enumerated in the lists of chief subjects may be taken.

IV. *The Thesis.*—The candidate shall present a thesis on some special topic in the department which constitutes his chief subject at least four months before the degree can be granted. The thesis is not ordinarily to exceed twenty thousand words in length, and shall not be accepted unless it contains evidence of thorough scholarship and ability to pursue original research, and, if accepted, it must be published by the candidate before the degree can be conferred. If the thesis is not accepted, the candidate will not be admitted to the final examination.

V. *The Final Examination.*—After the thesis has been accepted the candidate may proceed to his final examination at a time appointed by the Committee on the Graduate Department. This examination in the chief and subsidiary subjects is to be conducted orally in the presence of the faculty and cannot be divided. In the chief subject, however, there may be a written examination in addition to the oral, if the examiner so requires. The candidate will be examined on his general knowledge of the chief subject, and will be expected to show in addition a minute and complete acquaintance with some one principal part of it.

VI. *The Conferring of the Degree.*—Candidates who pass the final examination are ordinarily recommended to the Trustees for the Doctor's degree, and if the Trustees adopt the recommendation, the degree is publicly conferred by the President at the annual Commencement in June. The degree of Doctor of Science carries with it that of Master of Science.

VII. *Fees.*—Those who apply for the degree shall pay the University Treasurer a fee of forty dollars before entering the preliminary examination, twenty-five dollars each year

thereafter, and fifty dollars when the thesis is handed in for examination.

## ACADEMIC COSTUME.

The regular academic costume, characteristic of the preceding degrees, and appropriate for official academic occasions and official appearances in public, consists of three parts: the gown, the hood, and the cap. With respect to each of these parts certain things are prescribed, in conformity with similar rules prescribed by other universities after a general conference. These regulations, given below, arrange a scheme which makes the academic costume a plain badge of the grade of the degree, of the faculty to which the degree pertains, and of the institution granting the degree.

GOWN.—The *pattern* is that fixed by custom, with pointed sleeves for the bachelor's degree, with long closed sleeves for the master's degree, and with round open sleeves for the doctor's degree. The *material* shall be worsted stuff for the bachelor's degree, silk for the master's and doctor's degrees. The *color* shall be black. *Trimmings:* For the bachelor's and master's degree the gown shall be untrimmed; for the doctor's degree the gowns shall be faced all the way down the front with black velvet, with bars of the same across the sleeves; or the facings and cross-bars may be of velvet of the same color as the edging of the hood, given below, being distinctive of the faculty to which the degree pertains. The facing is about three inches wide, the cross-bars are three in number, on the outside front of each sleeve, and are about an inch wide and three inches apart.

HOOD.—The *pattern* is that fixed by custom. The *material*, the same as that of the gown (worsted for bachelors, silk for masters and doctors). The *color* of the outside, black. The *lining* (which is distinctive of the institution granting the degree), orange and black—the official colors of Princeton. It is the practice to have a black chevron

upon an orange background. The *length* and *form* as follows: for the bachelor's degree the length shall be three-fourths that for the master's degree; for the master's degree the length is that fixed by custom, not exceeding four feet; that for the doctor's degree is of the same length, but shall have panels at the sides. It is the practice to have the panels edged with the color of the lining. The *trimmings*, binding, or edging (on the outside of the hood where it opens at the top), not more than six inches in width (two for bachelors, three for masters, five for doctors) shall be of silk, satin, or velvet (velvet by custom); the color to be distinctive of the faculty to which the degree pertains, thus:

*White*—Faculty of Arts and Letters (A.B., A.M., Litt.D. or L.H.D.)

*Scarlet*—Faculty of Theology (B.D., D.D., S.T.D.)

*Purple*—Faculty of Law (LL.B., LL.D., J.U.D., D.C.L.)

*Green*—Faculty of Medicine (M.D.)

*Dark Blue*—Faculty of Philosophy (Ph.B., Ph.D.)

*Gold Yellow*—Faculty of Science (B.S., C.E., E.E., M.S., D.Sc.)

*Brown*—Faculty of Fine Arts.

*Pink*—Faculty of Music (Mus.B., Mus.D.)

CAP.—The cap is of the material and form fixed by custom, commonly called a trencher cap or mortar-board. The color shall be black. The doctor's cap may be of velvet. Each cap shall be ornamented with a long tassel attached to the middle of the top. The tassel of the doctor's cap may be, in whole or in part, of gold thread.

# PART IV.

## GROUNDS AND BUILDINGS, AND INSTITUTIONS CONNECTED WITH THE UNIVERSITY.

# GROUNDS AND BUILDINGS.

During the first decade of its existence, the College of New Jersey owned neither grounds nor buildings. The college exercises were held either in the house of the president or in convenient rooms.

From the beginning, however, it had been the purpose of the Trustees to erect college edifices in a central part of the State and there locate the institution permanently. In accordance with this plan it was voted by them on May 15, 1751, that the necessary buildings should be erected at New Brunswick, provided the citizens of that place secured to the College the sum of one thousand pounds proclamation money, two hundred acres of woodland and ten acres of cleared land. An offer of these terms was also made by the inhabitants of Princeton at the same meeting of the Trustees, and when, in September, 1752, it was learned that New Brunswick had not complied with the required terms, the Princeton offer was formally accepted. The particular tract of ground which became the site of Nassau Hall was donated by Nathaniel Fitz Randolph, and the money guarantee was furnished by Messrs. John Stockton, Thomas Leonard and John Horner, all wealthy residents of the village.

The University campus now consists roughly of two hundred and twenty-five acres, forming a quadrangle bounded by Nassau street on the north, Washington street on the east, Stony Brook on the south, and the line of the Pennsylvania Railroad on the west.

The Academic lectures and recitations are conducted mainly in Dickinson Hall and in the east end of Nassau Hall, while the Scientific lecture rooms and laboratories are prin-

cipally in the building of the John C. Green School of Science and in the Biological Laboratory presented by the class of 1877. The Museum of Historical Art, the central part of which has been completed, will contain the lecture rooms for the courses in art and archæology. The special instruction in the department of Electrical Engineering is carried on mainly in the Magnetic Observatory, and the Chemical Laboratory provides the class rooms and laboratories of the departments of Chemistry and Mineralogy.

## Nassau Hall.

Nassau Hall, the oldest and historically the most interesting building on college property, is picturesquely situated on the most elevated point of the front campus. At the time of its completion in the autumn of 1756, it was the largest academic building in the country. It was designed by Robert Smith, of Philadelphia, and was built of reddish gray sandstone quarried in the neighborhood, and now covered with ivy. In its three stories and basement it contained, exclusive of the prayer hall or chapel, which occupied the central portion of the building, sixty rooms which included refectory, library, and recitation rooms. It was named Nassau Hall in honor of William of Nassau, Prince of Orange, William III of England. During the Revolution it served at different times as hospital and barracks for American and British troops; and here from June to November, 1783, the Continental Congress sat.

Remodellings of the interior, consequent upon two disastrous fires in the last century have strikingly altered the arrangement of the building, and only a small portion of the second floor of its western end is still used for dormitory purposes. The upper floor contains the Histological Laboratory and the Laboratory of Experimental Psychology; on the second floor may be found the Department Library of Geology and Paleontology and the office of the Curator

of the E. M. Museum, while the first floor is occupied by the Paleontological Laboratory and the Geological lecture room. On this floor, too, is the E. M. Museum and the University's collection of portraits of presidents, officers, and benefactors of the college, together with the Peale portrait of Washington. The Museum is open daily except Sundays.

### Dean's House.

Northwest of Nassau Hall was erected at the same time a house for the president of the college, and until 1879, when Prospect was acquired by the Trustees, it continued to be the presidential mansion.

Since the institution of the Deanship the house has been the official residence of the Dean of the University.

### University Offices.

In 1803 a substantial stone building containing recitation rooms, a library room and apartments for the two literary societies of the College, the Cliosophic and the American Whig, was erected west of Nassau Hall. This building is now used as the executive headquarters of the University, and contains the Office of the Treasurer, the Office of the Registrar, the Office of the Curator of Grounds and Buildings, and the Faculty Room. The Pro-Seminary in Latin occupies quarters on the upper floor.

### Prospect.

Prospect, the official residence of the President of Princeton University, is one of the oldest estates in the town, although it was not acquired by the University until 1879. The mansion itself is a comparatively modern structure, beautifully situated in extensive grounds, the main entrance being located on McCosh Walk.

## Dormitories.

After Nassau Hall, West College, built in 1836, is the oldest dormitory building still in use. It forms the western side of the main quadrangle and contains forty suites of rooms.

Reunion Hall, erected in 1870, on the site of Joseph Henry's residence, between West College and the University Offices, was so named to commemorate the reunion of the Old and New Schools of the Presbyterian Church. Prominent members of each party donated the funds by which it was built, and its cornerstone was laid by the General Assembly. Contrary to the usual method, this building is heated by steam throughout. It contains fifty-four suites.

Witherspoon Hall, named after the president of Revolutionary days, was built in 1877 for the purpose of affording more modern and comfortable rooms than had previously been considered necessary. It contains sixty suites. Built of brownstone and blue gray marble in the imposing Victorian Gothic style, it towers above the neighboring buildings on the western section of the campus and forms the north side of the back quadrangle enclosed by Edwards and Stafford Little Halls.

Edwards Hall is named after President Jonathan Edwards and contains eighty-four rooms. It was erected in 1880.

Albert B. Dod Hall was erected in 1890, through the generosity of Mrs. David Brown, of Princeton, in memory of her brother, Professor Albert Baldwin Dod, of the Class of 1822. It is a long massive structure in Italian style, the body stone of granite with trimmings of Indiana limestone, while the columns flanking the entrance are of Georgia marble. The small amount of carving over the main entrance is Byzantine. The building has accommodation for one hundred students.

David Brown Hall, a dormitory of fifty suites, is another valuable gift from Mrs. Brown, and was erected in 1891. It

is modeled after a Florentine Palace in the Italian Renaissance style, and forms a hollow square of four stories enclosing a courtyard 67 x 44 feet. The first three stories are of granite, the foundation Pompeiian brick. A granite seat runs the length of the front façade. This dormitory is situated at the edge of Prospect Gardens and overlooks the long slope down to the Stony Brook valley and the landscape beyond.

Blair Hall, a Sesquicentennial gift from the late Hon. John Insley Blair, was the first representative of the style of architecture which has since been adopted for the later Princeton dormitories. The style is the Norman, or English collegiate. Blair Hall is built of Indiana limestone and is one of the largest dormitories on the campus, comprising ninety-eight suites. The square massive central tower is pierced by an archway which with the terraces and flight of steps forms the entrance to the campus from the southwest.

Adjoining the southern end of Blair Hall and following out that building's line and style on a slightly lower level of ground is Stafford Little Hall, the gift of the Hon. Henry Stafford Little, of the Class of 1844. This is the newest and most complete of the dormitories. It was erected in 1899, and its seventy-two suites have the advantage of all the conveniences of a thoroughly appointed dormitory building. A second Stafford Little Hall, the gift of the same generous benefactor, is to adjoin the first, thus forming with Blair Hall at one end and the new Gymnasium at the other, a series of architecturally harmonic buildings marking the western confines of the campus.

University Hall, at the junction of Nassau street and University Place, was originally planned as a hotel, but now serves as a dormitory, its revenue going to the support of the E. M. Museum. The main hall on the ground floor is used for concerts, public meetings, dinners, etc.

The two other dormitories on Nassau street are the Upper and Lower Pyne Buildings, the latter being on the

corner of Nassau and Witherspoon streets. These buildings were erected by M. Taylor Pyne, Esq., Class of 1877, and are in the half timbered and Chester style.

## University Libraries.

Ernest C. Richardson, Ph.D., Librarian.
Junius S. Morgan, A.M., Associate Librarian.
V. Lansing Collins, A.M., Reference Librarian.

### Staff.

Miss Charlotte Martins, Chief of Ordering Department.
Louis H. Gray, Ph.D., Chief Cataloguer.
Miss Catharine D. Joline, Chief Classifier.
Charles A. George, A.M., Superintendent of Shelves.
Miss M. Frances Kallam, Assistant in Ordering Department.
Miss E. Gertrude Hyde, Assistant in Ordering Department.
Miss Anna E. Sill, A.B., Assistant in Classification.
Miss B. Gertrude Carr, Assistant in Cataloguing.
Miss Ellen F. Alexander, Assistant in Cataloguing.
Miss Isabella H. Gosman, Assistant in Cataloguing.
Miss Sarah A. Vinton, Assistant in Cataloguing.
Ralph H. Peabody, Assistant in Circulating Department.
Walter R. Cottrell, Assistant in Circulating Department.

The Library began with the College, Governor Belcher, the patron of the College, directing his especial attention and interest to it, and leaving to it his collection of 474 volumes. When the first catalogue was printed in 1760, the library consisted of about 1,300 volumes. It was increased largely in the sixties, but was decimated during the Revolution and in 1796 numbered only 2,300 volumes. It was partly destroyed by fire in 1802, but shortly after its size was fully restored by gifts. In 1816 it numbered 7,000 vol-

umes, in 1839, 8,000, and in 1850 it had advanced to 9,313 volumes. In 1868 it contained but 14,000 volumes without separate building or librarian.

### The Chancellor Green Library

In 1868 the Elizabeth Fund for the purchase of books was created by Mr. John C. Green, and soon after he erected a library building (in 1872–3) named in honor of Chancellor Green. This Chancellor Green Library building has recently been refitted throughout with the most modern system of heating, ventilation, and electric light, as the working library of the University, containing the standard and latest works in all departments and especially fitted up for study.

### The New Library Building.

The Chancellor Green building having for a long time been crowded beyond its calculated capacity, provision was made on occasion of the Sesquicentennial by some unannounced friend or friends of the University for a new building with capacity of 1,200,000 volumes, besides adequate administration rooms, fifteen rooms for instruction in research, and a large room for the exhibition of rare books. The new building forms a hollow quadrangle of about 160 feet square, connected by a delivery room of 50 x 20 with the Chancellor Green Library. It is fitted with modern improvements in heating, ventilation, stacks, electric elevators, interior telephone, etc., and has shelves at present sufficient for about 500,000 volumes.

### The Central Collection.

The general collection which occupies the united buildings consists of 150,256 volumes and about 42,118 unbound periodicals and pamphlets. It includes the following special collections:

*The Morgan Collection of Virgils*, presented by J. S. Morgan, Esq., '88; *The Pierson Civil War Collection*, presented by J. S. Pierson, Esq., '40; *The Pyne-Henry Collection* of MSS. relating to the history of the University, presented by M. Taylor Pyne, Esq., '77, and the Hon. Bayard Henry, '76; *The Princeton University Collection*, including the large collection of Princetoniana presented by Professor William Libbey, '77; *The Class of '75 Library* of English Poetry and Drama; *Class of '78 Libraries* of Chemistry and Engineering; *The Class of '83 Library* of Political Science and Jurisprudence; *The Class of '88 Library* of Economics; and *The Class of '89 Library* of American History.

## Special Libraries.

### The Garrett Manuscripts.

The Garrett collection of Oriental manuscripts, consisting of about twelve hundred documents, chiefly in Arabic, is deposited for the present in the University Library. These include books on law, medicine, mathematics, natural sciences, poetry, history, biography, geography, travels, rhetoric, grammar and lexicography, as well as works on the Mohammedan religion and the exegesis of the Koran.

Custodian: Dr. Enno Littmann. Location: northwest corner, second floor, left.

### Charles Ewing Green Alcove.

The alcove facing the public entrance to the Chancellor Green Library has been set aside as a memorial to the late Charles Ewing Green, LL.D., Class of 1860. Mr. Green was for many years a Trustee of the University, and as the administrator of the John C. Green estate was one of Princeton's most generous and consistent benefactors.

To commemorate the active interest which he always took in the Chancellor Green Library, as well as in the gen-

eral library development of the University, Mrs. Charles E. Green has erected in the alcove a brass tablet to his memory, and is filling the shelves with handsomely bound standard editions of all the Greek and Latin authors and other classical collections, making this an ideal classical reference alcove.

The smaller libraries connected directly with the University Library organization comprise four department libraries and eight seminary libraries.

### Department Libraries.

These are libraries selected from the general collection and kept in proximity to the corresponding laboratories. The following are organized:

*Astronomy*, in Working Observatory.

*Biology*, supported by C. W. McAlpin, Esq., '88, in the Biological Laboratory.

*Botany*, in the School of Science Building.

*Geology and Palæontology*, in Nassau Hall.

### Seminary Libraries.

Certain rooms in the new Library Building are available for the use of seminaries organized under the rules of the Faculty for "the development among our higher students of independent scholarly ability by extensive advanced study and training in the methods of original research." Several rooms have been assigned and provided with special libraries partly by loan from the main collection, but chiefly by special endowment and purchase.

Those now organized under the rule are as follows:

*Classical Philology.* Location: southwest corner, second floor.

*English.* Founded and supported by Charles Scribner, Esq., '75. Location: northwest corner, first floor, left.

*Mathematics.* Founded by the Hon. John L. Cadwalader, '56, Professor M. Allen Starr, M.D., LL.D., '76, David B. Jones, Esq., '76, Thomas D. Jones, Esq, '76, Chandler W. Riker, Esq., '76, and the Hon. Adrian Riker, '79. Location: northwest corner, second floor, right.

*Romance Languages.* Founded by the Class of 1890. Location: southwest corner, first floor, right.

*Philosophy.* Founded by Mrs. C. B. Alexander (Ethics), and the Class of '82 (Logic and Metaphysics). Location: southeast corner, left.

*Ancient History and Archæology.* Founded by various alumni and friends. Location: southeast corner, second floor, right.

*Economics.* Founded by the class of '88. Location: northwest corner, first floor, right.

*History.* Location: southeast corner, second floor, left.

## Use of Library.

The Library is open from 8 A. M. until 10 P. M. during term time, and from 9 A. M. until 1 P. M. in vacation.

Books may be drawn by all officers and students of the University and Theological Seminary, and by any person properly introduced. The number of books which may be taken is limited to three in the case of students, with the exception of Seniors, who may take five. Officers, Fellows, and Graduate Students may take any reasonable number. Books may be kept by undergraduates for two weeks, by Fellows and Graduate students for four weeks, and by Officers for any reasonable time. All books may be renewed when due, unless wanted by some one else.

Fines are charged at the rate of two cents a day on all books kept overtime. If an overdue book is wanted at the Library for any reason, it may be sent for and a charge of ten cents for messenger made. Postal cards are sent to re-

mind of books overdue only when the books are wanted by others. No books can be drawn while there are unpaid fines.

### The Hall Libraries.

The two Literary Societies—Whig and Cliosophic—have catalogued libraries of 10,000 volumes each, and the religious society, the Philadelphian, one of 1,000 volumes.

### The Theological Seminary Library.

The Library of the Princeton Theological Seminary, which contains 68,400 volumes, is open to the students of the University for consultation and loan of books on Monday, Tuesday, Wednesday, Thursday, and Friday, from 10 A. M. to 1 P. M. and from 2 to 4 P. M., and on Saturday from 10 A. M. to 1 P. M.

### Summary of Libraries.

| | |
|---|---|
| University Library, . . . . . | 150,256 |
| Hall Libraries, . . . . . | 21,000 |
| Theological Seminary Library, . . . . . | 68,400 |
| Total (exclusive of pamphlets and duplicates) | 239,656 |

## SOCIETIES.

### Literary Societies.

The Cliosophic and American Whig Societies were founded prior to the Revolution. They are conducted by the undergraduates, but also include in their organization graduates and officers of the University. Each possesses a valuable library of over 10,000 volumes. The old halls in which they were accustomed to meet, becoming too small

for their accommodation, were removed about 1890, and large and handsome buildings of white marble were erected near the old sites. They both pursue courses of literary exercises, award numerous prizes for orations, essays, and debates, and grant diplomas to their respective graduates.

A generous competition for University honors has always prevailed between them. On the evening before Commencement representatives of the Societies from the Senior class engage in a public debate. During Commencement week representatives from the Junior class engage in a competition in oratory. The details respecting the Lynde debate and Junior orations will be found on later pages.

## The Philadelphian Society.

The Philadelphian Society is an association of undergraduates for the promotion of the religious interests of the University, particularly of the members of the Society. It was founded in 1825. Devotional meetings are held every Thursday evening, and under its auspices the devotional study of the Bible and Foreign Missions is facilitated. It has the exclusive use of two buildings. Murray Hall, erected in 1879 from a bequest left for the purpose of the Society by Hamilton Murray, of the Class of 1872, contains an auditorium for public worship and a library. Dodge Hall, connected with Murray Hall by an ambulatory, is the gift of Mr. William E. Dodge and his son, Cleveland H. Dodge, of the Class of 1879, in memory of the late W. Earl Dodge, of the same class. It contains four rooms for the religious meetings of the four classes, a handsomely furnished reading room containing current periodicals and recent fiction, committee rooms and the apartments of the Secretary. The privileges of this building are extended to all the students of the University irrespective of their relation to the Philadelphian Society.

### The St. Paul's Society.

St. Paul's Society, a religious organization composed of those of the undergraduates of the University who are members of the Protestant Episcopal Church, was founded in 1875. To its care is intrusted a number of mission chapels wherein members of the Society, licensed lay readers by the Bishop of New Jersey, conduct services every Sunday. Under its auspices a course of sermons is delivered annually in Trinity Church. Weekly meetings are held in an attractive room provided for the use of the Society by Trinity Parish, in the Potter Memorial House, situated on Mercer street, adjoining Trinity Church. The annual election of officers is held on the fourth Wednesday of April.

## MUSEUMS.

### The E. M. Museum of Geology and Archæology.

This Museum, occupying the central and eastern wings of Nassau Hall, contains collections which are distributed in three general departments of Geology (including Mineralogy), Palæontology, and Archæology. Their arrangement is especially adapted to the purposes of comparative study.

In the Geological Department a special room contains a unique collection of over 5,000 specimens of erratic boulders and drift materials from Switzerland. There is also a special room devoted to the typical rocks and fossils of the State of New Jersey. A collection of the typical rocks of the State of New York represents the series as described in the Geological Survey of that State.

There is in this department a large collection of minerals, chiefly crystals, containing about 2,600 specimens, bequeathed to the University by the late Archibald MacMartin

of New York. The perfection of the specimens, and the number of localities represented in each family, make this collection one of special value.

PALÆONTOLOGICAL DEPARTMENT.—The upper or eastern hall contains the main collection; on the platform are the skeletons of a Mastodon, an Irish Deer, a Cave Bear, and some of the extinct birds of New Zealand; also the skulls of Uintatherium and a remarkably complete skeleton of Cervalces. There are mounted casts of the gigantic reptiles and mammals of the secondary, tertiary, and quaternary ages. Surrounding the room is a very perfect collection of vertebrate and invertebrate fossils from Europe and America, illustrating the principal organic forms of all the geological epochs. The typical fossils selected agree, as far as possible, with those mentioned in Dana's Geology, as characteristic of different geological periods. Included in this series are the fine eocene and miocene fossils, many of which are type specimens, procured in the West by the various Princeton collecting parties. There is also a series of fossil insects and plants from Colorado, most of which are also types. Altogether the number of fossils, not counting duplicates, is 15,000.

ARCHÆOLOGICAL DEPARTMENT.—Here are relics of the Swiss lake dwellings, and numerous implements of stone and bronze from Denmark; also several hundred flint instruments from most of the classical localities of the palæolithic and neolithic ages of France.

America is represented by the pottery and human remains of the mound builders, by several hundred specimens of Mexican and Peruvian pottery, and by a number of recent Indian relics. The interesting ethnological collection of objects, chiefly from Alaska and New Mexico, which Dr. Sheldon Jackson presented to the Theological Seminary of Princeton, has been transferred to this Museum by the Trustees of that institution, with the consent of the donor.

There is also a series of models of the cliff-dwellings and Pueblos of the Southwest, executed under the direction of Dr. Hayden.

Below the eastern hall are the lecture and working rooms.

## Museum of Biology.

The biological collections have been chiefly made from the endowment fund of the John C. Green School of Science. There have also been many smaller donations to the Museum from time to time. The collections are placed in the large upper hall of the School of Science building, and are at present especially rich in osteological specimens. On the same floor are the laboratory and working rooms of the Curator of the Museum. The collection of vertebrates includes a large number of mounted and disarticulated skeletons of mammals, reptiles, birds, and fishes. Among the invertebrates are a series of ascidians, echinoderms, molluscs, crustaceans, insects, worms, corals, sponges, and microscopic preparations of small forms. Students may apply to the Curator for access to the catalogue and cases containing the skeletons.

The Herbarium is on the second floor of the School of Science building, and is arranged as a museum of the botanical collections, also as a working laboratory for students. The plants are classified according to the *Pflanzen-familien* of Engler and Prantl, and include specimens from the different sections of the United States, and from South America, Europe, and Australia. There are extra specimens for laboratory use and dissecting, together with compound microscopes, reagents, anatomical instruments, section cutters, models, diagrams, and books of reference; and the reference library of the late Professor Leo Lesquereux, presented to the University by Mr. P. W. Huntington of Columbus, Ohio.

During the past year the osteological collection has been increased by purchase from Ward, of Rochester, and by gift

from Mrs. Wm. E. Strong, of New York, through Mr. James W. Alexander '60, of a mounted skull of a hippopotamus.

The Herbarium has purchased a set of South Chilian Hepaticae, collected and named by Mr. Per Dusén, of Stockholm, Sweden.

DEPARTMENT OF ORNITHOLOGY.—The ornithological collections of the University form a department of the Museum of Biology. Starting with a representative local collection of the birds of New Jersey, which are mounted and on exhibition in the halls of the museum, these are supplemented in the laboratories by the following groups of unmounted birds, which show the relations of the local collection to the avifauna of the world at large: A North American collection, a European collection, an Australian collection, an Indo-Asian collection, a South American collection. There are in all some sixteen thousand individuals.

The South American collection has been materially augmented through the work done by the Hatcher expeditions to Patagonia, the result being some six hundred birds, a fairly typical illustration of the avifauna of that region. Mr. John W. Garrett '95 of Baltimore is largely responsible for this feature, his interest taking tangible form in supplying means to place collectors in this field.

The collections are further supplemented by some four thousand sets of eggs, many of them in nests, as well as much alcoholic material and many skeletons.

The department received in exchange during the year 1900 from the British Museum of Natural History some two thousand birds. These represent parts of the avifauna of Europe, India, and Asia, and which aid materially in rounding out the existing collections. Many minor gifts have been received from alumni, particularly representatives of game birds from many localities in North America.

All this material affords facilities for special study in factors and problems, such as: individual variation, geograph-

ical distribution and variation problems, migration and the like. Graduate students will find special facilities for work in the laboratories connected with this department.

### Museum of Historic Art.

The upper story of the museum contains a library for Classical Archæology, collections to illustrate the history and processes of the graphic arts, reproductions of Greek and Roman coins and gems, specimens of Greek and Roman marble, a collection of bronze medals and casts of ivories from the Roman to the Gothic period. A series of casts from the Arch of Trajan at Beneventum has been recently added.

In the central story the Trumbull-Prime collection has been rearranged and new cases have been added. The purpose of this collection is to illustrate the history of pottery and porcelain. Egypt is represented by sepulchral figurines, beads and amulets; Phœnicia by numerous Cypriote vases; Greece, Etruria, and Southern Italy by Corinthian aryballoi and fine examples of larger vases of black-figured and red-figured types. The Orient is further illustrated by specimens from Persia, China and Japan; South America by Peruvian pottery. The collection is richer in examples of European wares, to which England, France, Germany, and Holland are the chief contributors, but Italy, Russia, Sweden, and Switzerland are also represented. The small room on this story contains the Livingston loan collection of pottery. This collection is noteworthy for the illustrative material it furnishes for the early history of our country.

The staircase and basement are occupied by a carefully selected collection of casts of ancient and mediæval sculpture, presented by the Class of 1881 at its decennial. This collection was formed to illustrate the history of ancient sculpture in Egypt, Babylon and Assyria, Persia, Greece and Rome, and of mediæval sculpture in Italy, France and Germany.

There has been recently added from the same fund a collection of casts of renaissance sculpture.

The museum is open to visitors from 8 a. m. to 6 p. m.

### Mathematical Models.

In the Graphics room of the School of Science may be found a set of duplicates of the more important Olivier models of ruled surfaces; the Björling developable surface models, a number of the Muret set and the Schröder mathematical models. The Brill plaster models of higher algebraic surfaces are in the Mathematical Seminary room in the Library.

## LABORATORIES AND APPARATUS.

### Psychological Laboratory.

The laboratory for experimental psychology was founded and equipped for work at the beginning of the academic year 1893–94. It occupies a suite of rooms on the third floor of the west wing of Nassau Hall, on the south side, opposite the histological laboratory. It comprises five rooms, *i. e.*, a dark-room, an optical room, an acoustic room, a reaction and muscle-sense room, and a room fitted up for demonstrations and practical work. The equipment consists primarily of the standard pieces of apparatus for demonstration and research, together with illustrative models and charts; and is added to as the development of the department in special directions makes it necessary. Professor Allan Marquand has presented to the Laboratory both models of his well-known "logical machine," and also a number of volumes. A library of reference books is connected with the Laboratory, the most important recent additions to which are a complete set of the neurological journal *Brain* (16 vols., presented by Messrs. Macmillan & Co.) and

the *Index Catalogue*, both series, of the United States Surgeon General's Library (presented by the former Surgeon General, Dr. Billings.) Attention may be called to the very complete list of journals in Psychology, Philosophy, and Neurology (56 titles), which are on file in this library. Researches from the Laboratory are published in the *Princeton Contributions to Psychology*, now in the third volume.

### Physical Laboratory and Apparatus.

The Physical Laboratory is fitted up with tables and other arrangements to accommodate about forty students at once, though the classes usually work in small divisions, to facilitate the arrangement of the course in logical order and to avoid interference with the hours allotted to other courses.

The collection of apparatus for lecture demonstrations is a very good one, but as far as practicable the equipment consists of instruments which are serviceable not only in the lecture courses, but in the practical laboratory work. The collection contains most of the standards and instruments of precision that are needed by the advanced student or investigator. The shop connected with the School of Science is at the service of the department of physics, and apparatus needed for special researches may be constructed there.

### Buildings and Apparatus of the School of Electrical Engineering.

The magnetic observatory is a brick building without iron in its construction, situated on McCosh Walk, in a position in which it is, as far as possible, free from the disturbing influences of large masses of iron.

The laboratory is in the basement, where permanent piers, for the installation of instruments, are provided.

Among the instruments in the laboratory which deserve mention are a large physical balance, Thomson's quadrant

and other forms of electrometers, specially constructed galvanometers by Edelmann, Hartmann, Nalder Brothers and Elliott, Thomson's current balances, two large resistance boxes adjusted by Anthony, Post-office boxes, megohm box, standard condenser, standards of induction and of resistance. Besides these there is a full outfit of galvanometers, voltmeters, ammeters, and all other instruments needed in technical work or in exact investigation.

The dynamo building is connected with the School of Science building. The motive power for the machinery is furnished by a sixty horse-power boiler and a Ball engine. The dynamo plant consists of a Westinghouse alternate generator with a full set of transformers, a Westinghouse polyphase generator, a Westinghouse rotary converter, Mather, Edison, Brush arc, Eickemeyer and Gramme generators, a machine constructed in the shop of the School of Science, Brush, Eickemeyer and other motors. With these machines is a complete outfit of accessories, and a large rheostat of German silver used in testing. Arc and incandescent lamps are so arranged that the various systems of distribution may be studied.

The dynamo building is connected with the magnetic observatory by heavy copper wires, and by underground cables, so that the instruments of the magnetic observatory are available for experimental work with the dynamos. Four sets of storage batteries are also connected with the plant.

### Chemical Laboratories.

The Laboratory and cabinets of the department of General Chemistry are fully equipped for the illustration of the courses in the two branches of general and applied chemistry.

The department of Applied Chemistry and Mineralogy occupies the new chemical laboratory, which is an admirably lighted and ventilated fire-proof building, the main portion

of which is 108 feet long and 58 feet wide, with a wing 47 feet long and 42 feet wide. It has been planned and equipped after a careful study of many of the best laboratories at home and abroad. The top floor is entirely devoted to laboratories for students in the various courses, with private rooms for the professor and assistants, weighing room, and sulphuretted hydrogen room. Each student has a separate desk, provided with water, gas, suction for filter-pump, and sink.

In the second floor are two large lecture rooms, a room for experiments in chemical physics, two cabinets for specimens and lecture apparatus, a mineral cabinet and the professors' private laboratories.

In the basement are various rooms for gasometric work, and for experiments in technical and organic chemistry, which cannot conveniently be undertaken in the laboratories for general students, blowpipe and assay laboratories, janitor's room, storerooms, and battery.

MINERALOGICAL COLLECTIONS OF THE SCHOOL OF SCIENCE.

There are three cabinets of minerals. The principal one contains over five thousand specimens, embracing nearly every mineral species. Two smaller cabinets, one with labeled and the other with unlabeled minerals, are provided for practice with the classes, and to these two cabinets the students have free access.

There is also a collection of 240 specimens of typical rocks, together with a large number of Fuess's rock sections, as well as sections from other sources, for the study of lithology.

The department is provided also with section cutters, grinding lathes, and other appliances for the special study of minerals and rocks; including a complete Groth's polarizing apparatus with goniometer, a large Babinet goniometer, Norremberg's polarizing apparatus, Rosenbusch's microscope, and minor apparatus.

The minerals sent by the University to the Paris Exposition of 1900, under the direction of the U. S. Commissioner, have been placed in the principal cabinet. They embrace the oxides, from United States localities, and include a number of minerals presented by friends of the University; especially, a fine group of quartz crystals from Hot Springs, Arkansas, presented by M. Taylor Pyne, Esq., and a number of fine copper minerals presented by the Copper Queen Consolidated Mining Co.

### Histological Laboratory.

This laboratory is situated on the upper floor of the west wing of Nassau Hall. The western room serves as a lecture hall. On the north side of this room there are fourteen tables. There are lockers for forty-two students.

Materials for class work and specimens are prepared in the assistant's room. Here, also, is kept a complete supply of chemicals, stains, and mixed reagents. The laboratory is supplied with the following apparatus: three paraffin baths, three microtomes, a centrifuge, an air pump, aquaria and cages for keeping living material, and a full assortment of glass ware.

East of the assistant's room is the instructor's room, where the collections are kept. These consist of a large general collection of slides, the three class collections from which the specimens for each exercise are drawn, and the collection of recent material from the main groups of the animal and vegetable kingdoms.

East of this room are two rooms for advanced students and fellows engaged in research work.

The laboratory is provided with Zeiss, Lertz, and Reichart microscopes.

### Class of 1877 Biological Laboratory.

This building is situated at the east end of Dickinson Hall. It was presented to the University by the Alumni of

the Class of 1877 at their decennial reunion. It is designed for the advanced practical and experimental courses in comparative anatomy, embryology, and physiological psychology. The main morphological laboratory, upon the second floor, is equipped for the instruction of undergraduates. This room has recently been fitted up with exhibition cases which, at present, contain about five hundred mounted preparations illustrating the comparative anatomy of vertebrates. New preparations are constantly being added to the collection through the efforts of a skillful preparator.

The first floor comprises the embryological laboratory, intended for the use of University students engaged in research. The basement is designed for aquaria. The laboratory is open to students during the day from 8 A. M. to 5 P. M.

### Palæontological Laboratory.

This laboratory has been fitted up in Nassau Hall to provide for practical instruction in the courses in palæontology. Each student has a table with drawers, etc., for his own use, where the study of fossil forms can be conveniently carried on. The very extensive collections of the geological museum furnish ample material for the general course in palæontology, stratigraphy, as well as for the purposes of research. A series of diagrams, maps, and models is provided, as are also microscopes and prepared slides for the examination of the minute structure of various extinct forms, both animal and vegetable.

For advanced students engaged in original investigations, there are private rooms available.

### Civil Engineering Laboratory and Apparatus.

The laboratory is used in connection with the instruction in Experimental Mechanics and the Planning and Construction of Engineering Works, and contains a torsional testing

machine; a wire and cement tester; various kinds of current meters and water gauges; a Worthington water meter; a contrivance for determining the hydraulic slopes within earthen retaining banks; a flushing tank; a reaction wheel and other minor pieces of hydraulic apparatus; a double acting steam pump; a locomotive link and valve motion; a ten horse-power compound engine with condenser, indicators, gauges, and a Prony brake; and a 25-foot iron working model of a single track railroad bridge, with a complete outfit of false-works and other appliances for its erection, designed especially for this institution.

The illustrative apparatus of the laboratory comprises rail sections and joints; specimens of the products of iron and steel mills and other building materials; a Sturtevant blower; models of water wheels, of trestles, of the details of iron bridge and roof joints, and of vaults and arches. A collection of lantern slides, especially selected for use in the class room, has been provided, and includes a large number of views, in detail, of the East River suspension bridge at different stages of its progress.

The instruments provided for the course in geodesy represent the work of twelve different firms of high repute, care being taken to avoid the duplication of instruments by the same maker, and include a 12-inch geodetic transit, a large plane-table with telescopic alidade and a telemeter; engineer's, mining, and solar transits; wye and dumpy levels; surveyor's compasses; mercurial and aneroid barometers; sextants; heliotropes; various forms of linear measures; and a large assortment of reconnoitring instruments.

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## Astronomical Observatories.

### Halsted Observatory.

This is appropriated to scientific work, chiefly in the department of astronomical physics. The building is of stone,

with an iron dome thirty-nine feet in diameter, the power for moving it and its sliding shutter being furnished by an electric motor and storage battery. The principal instrument is the great equatorial, of twenty-three inches aperture and thirty feet focal length, made by the Clarks. It is provided with all the usual accessories, micrometric and spectroscopic. The building also contains a clock and a chronograph, and is in electric connection with the Observatory of Instruction.

### Observatory of Instruction.

This establishment is devoted entirely to the use of students, and is fully equipped for its purpose. It possesses an equatorial (by Clark) of 9½ inches aperture, with a full complement of spectroscopic and other accessories. It has also a 9-inch reflector; a meridian circle with circles 2 feet in diameter and a 4-inch telescope; two transit instruments with 3-inch telescopes, both of them arranged for use as zenith telescopes; a 3-inch prime-vertical instrument; a chronograph; two standard clocks, and two chronometers. There are also a number of sextants, and all the other subsidiary apparatus required for carrying out the work involved in the courses on Practical Astronomy. See Astronomy, 5, 6.

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### Isabella McCosh Infirmary.

The Infirmary contains all the modern arrangements of the best hospital construction. The buildings are pleasantly located on the hillside below Prospect, commanding every advantage of position as to air, outlook, and sewerage. The two buildings are completely isolated from one another by a long corridor. One of these buildings is devoted to the treatment of all ailments not requiring special isolation. The other provides for the reception of those cases in which

isolation is desirable. While the health of Princeton is exceptionally good, the occasional illness incident to so large a body of students demanded accommodation suitable for its care. This has been secured in the Infirmary by the liberality of friends of the University.

The Sanitary Committee of the University has the institution under its care. It is thus brought under constant and careful supervision. It is open to the reception of students on the certificate of attending physician. As the Infirmary is without endowment, each student by the payment of a small fee secures for himself, in all cases of ordinary illness, needed care, including board, nursing and laundry, everything but physician's fees and medicines, without charge. Where special nursing is required, an additional charge covering actual expenses will be made.

### Dickinson Hall.

This building is used for class room work of the Academic Department. In 1870, Mr. John C. Green determined upon a liberal benefaction to the College, and the Trustees and Faculty, after careful consideration, decided that in view of the increasing size of the classes and the small, inconvenient and badly-ventilated rooms then used for instruction, the erection of a building wholly devoted to lecture and recitation rooms was the greatest need of the College.

Accordingly plans were adopted and given to Mr. George B. Post, architect, of New York, to carry out. The building was built of local stone, trimmed with Connecticut limestone. It was named by Mr. Green as a memorial of Jonathan Dickinson, first President of the College.

In 1876 extensive alterations were made in the building, and the exterior has been very much changed, being now Gothic in its general appearance.

The first and second floors contain lecture rooms sixteen feet high and admirably lighted; over these, on the third

floor, is the Examination Hall, eighteen feet high, containing a stage for public speaking, and accommodating about six hundred persons.

### Marquand Chapel.

The chapel was the gift of Mr. Henry G. Marquand of New York. The cornerstone was laid in June, 1881. The building is constructed of brownstone, and is in the shape of a Greek cross. The apse contains the organ and choir stalls. A gallery over the main entrance is for visitors. The faculty stalls are along the sides of the building. The mural and window decorations are noteworthy. The St. Gauden's heroic bronze high relief of the late President McCosh, erected by the Class of 1879, faces the visitor on entering ; by its side are the low relief memorial tablet to Professor Joseph Henry and the bronze tablet to Professor Arnold Guyot, set in a fragment of a Swiss glacial boulder presented by the authorities of his native city, Neuchatel. On the east wall of the southeast corner of the chapel is the memorial tablet to Rev. James Ormsbee Murray, first Dean of Princeton University, presented to the University in November, 1901. This tablet consists of rose-colored Numidian marble, upon which is a medallion-portrait in bas-relief of white marble, surrounded by an embossed wreath.

The north and south windows are in memory of Frederick Marquand of the Class of 1876, and William Earl Dodge of the Class of 1879. The west window is the gift of Mrs. T. Harrison Garrett of Baltimore, in memory of her son, Horatio W. Garrett of the Class of 1895. The daily morning services and Sunday vespers are held in the chapel.

### Alexander Hall.

This handsome and substantial building is the generous gift of Mrs. Charles B. Alexander. It is used for Com-

mencement and Class Day exercises, public lectures, and other university gatherings of a general character. The auditorium is arranged with sloping floor and high gallery, so that an audience of fifteen hundred may be comparatively near the speaker. The rostrum and President's chair are finished in colored marbles and polychromatic mosaic. Behind the rostrum is a row of mosaic wall pictures designed by J. A. Holzer, illustrative of the Homeric story. A large organ built by George Jardine and Son, and embodying the most recent features of organ construction, stands in one of the small galleries near the rostrum.

The building is constructed of granite and brownstone in the Romanesque style of western France. The front toward the south exhibits a large rose window beneath a gable roof, and between the central structure and two side towers are two fine round-arched openings which lead into a wide ambulatory encircling the building. From this ambulatory the rostrum and auditorium are reached. The two side towers and two smaller ones at the rear enclose staircases, which lead to the auditorium gallery. The building, which was designed by William A. Potter, has been decorated with sculpture under the direction of the architect, by J. Massey Rhind. Beneath the rose window is a seated figure of Learning, on one side of which are allegorical figures of Architecture, Sculpture, Painting, Poetry, Music, and Belles Lettres, on the other are Oratory, Theology, Law, History, Philosophy, and Ethics. There are other sculptures about the rose window and in the niches around the ambulatory.

### Gymnasium.

The gymnasium was built in 1869 by Mr. Robert Bonner and Mr. Henry G. Marquand. It contains, besides the main hall with the apparatus for physical training, hot and cold shower and plunge baths, dressing rooms, bowling

alleys, and a gallery for visitors. The gymnasium is open daily from 10 A. M. to 7 P. M. throughout the year. The director is in attendance during these hours to examine, advise and instruct all who may desire his services.

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### University Athletic Field.

This field, which is large enough for three football games to be played simultaneously, is the scene of all University athletic contests and games held in Princeton. The entrance gateway is the gift of Mr. Ferris S. Thompson of the Class of '88. Besides the baseball ground and football field, there are a 220-yard straightaway and a quarter-mile cinder track and the following buildings: (1) The University Athletic Clubhouse, the gift of Henry F. Osborn, Class of 1877, containing the training quarters, dining-room, parlor, bedroom, baths, etc., and the Trophy Room, which is open to visitors. (2) The Cage for indoor winter practice, a well-lighted brick structure with a clear floor space of 60 x 140 feet. (3) The Field House, containing dressing-rooms, lockers and baths for the University and visiting teams. (4) The Grand Stand, the gift of Mrs. John J. McCook of New York. The clock in the peak of the roof is the gift of the Glee Club of 1890. (5) The Open Stand, the result of alumni subscriptions.

### Brokaw Athletic Field.

This field was provided by the alumni for the benefit of undergraduates who are not members of the University teams. It contains room for three simultaneous baseball or football games. Adjoining the field is a bicycle track. On a terrace are the University Tennis Courts, and above them is the Brokaw Memorial Gateway and Building, erected in 1892 by Mr. I. V. Brokaw of New York, in memory of his

son, Frederick Brokaw of the Class of 1892, who lost his life at Elberon, N. J., in 1891 while attempting to save a drowning girl. The building contains dressing-rooms, shower-baths, and lockers for several hundred men. A wing contains a porcelain swimming pool 100 feet long by 25 feet wide. The new gymnasium is to be connected with this building.

Students of the University are eligible to membership in THE PRINCETON GOLF CLUB, whose new eighteen hole golf links cover 240 acres, and adjoin the campus. A new and handsome clubhouse, the gift of the Class of 1886, is to be erected this year.

# PART V.

## GENERAL ORDERS, FELLOWSHIPS, PRIZES AND SCHOLARSHIPS.

# GENERAL ORDERS.

## Terms and Vacations.

The year is divided into two terms of eighteen weeks each.

The first term of the present Academic year (1901–1902) began on Wednesday, the 18th of September, 1901, and ends on Wednesday, the 5th of February, 1902. The second term begins on Thursday, the 6th of February, 1902, and ends on Wednesday, the 11th of June, 1902, the day of the Annual Commencement.

## Regulations Concerning Registration.

At the beginning of the Academic year each undergraduate student shall report in person at the Registrar's Office, before 1 P. M. on the first Thursday of the term, and register

*a.* his full name, home address, and Princeton address—

*b.* his choice of electives for the term.

Entering students shall register when they matriculate.

After the Thanksgiving recess, the Christmas vacation, and the Spring recess, the student shall report in person at the Registrar's Office, before 5 P. M. of the day on which exercises are resumed, and register his name.

The choice of electives for the second term must be reported in writing to the Registrar, on or before the third Monday in January.

In every case of delay in registration *three* absences will be recorded against the student for each day that the registration is delayed. Serious cases shall be punished by postponement of the registration with corresponding increase

in the absences recorded, by putting the student on probation, by suspension, or otherwise, as the Faculty may determine. The penalty for delay in reporting the full list of electives for the term shall be the record of one absence each day for each elective not reported, until the list is complete; this delay to be reckoned from the registration at the beginning of the Academic year or from the third Monday in January. Serious cases shall be punished more severely as the Faculty may determine. If the student enter any elective class after exercises with that class have been held, he shall be reported by the instructor as absent from those exercises.

## REGULATION OF ATTENDANCE.

### ABSENCE FROM PRINCETON.

1. Students are not allowed to leave or be absent from the University during term time, except as provided in section 5 below, without permission of the Faculty. Requests should ordinarily be presented to the Committee on Attendance, or in special cases, to the class officer or the Dean of the Faculty. Unauthorized absence subjects a student to the penalty provided in the rules, and makes him liable to such further penalty as the Faculty may deem necessary.

### COMMITTEE ON ATTENDANCE.

2. The Committee on attendance has charge of all matters pertaining to attendance on chapel and class exercises. It meets every Wednesday noon in the faculty room, University offices.

### DIVISIONS OF THE YEAR.

3. In the regulation of attendance, the academic year shall be divided into four quarters.

EXCUSES.

4. No excuse for absence will be received except in extraordinary cases. Excuses for such cases must always be offered in person to the Committee on Attendance, not later than the second meeting of the committee after the return of the student to his academic exercises.

5. Students who absent themselves from town over Sunday and who desire that the absences from chapel thus incurred shall be excused must file a statement in the Registrar's office on a form provided by the office, in the week immediately preceding or following the absence. Such excuses shall not be granted more than *twice* in any one quarter, and further absences thus incurred will be counted on the gratuity. No excuse will be granted unless application is made within a week of the absence. Students may however go *home* for Sunday, and absences so incurred will be excused on filing at the Registrar's office, on a special form provided by the office, a request by parent or guardian that such absence be excused. Such excuses to be valid must be presented in the week preceding or following the absence.

6. Absences necessarily incurred by the University Musical Clubs in connection with a tour taken in vacation by permission of the Faculty, will be excused on recommendation of the Music Committee.

7. Absences necessarily incurred by the University athletic teams in connection with intercollegiate games will be excused on recommendation of the Committee on Outdoor Sports.

ATTENDANCE ON CHAPEL EXERCISES.

8. Every undergraduate student is required to attend morning prayers in the chapel and the stated services on Sunday unless excused by the President or Faculty. If the student is irregular in his attendance notice will be sent to

his parent or guardian. When his absences in any quarter exceed a certain number (18 for Seniors and Juniors, 14 for Sophomores, Freshmen and Specials) he becomes liable to discipline, which in ordinary cases shall be suspension, though other penalties may be imposed at the discretion of the committee.

9. If, at the end of the first quarter in each term, the student's absences from the chapel are less than the limit above fixed, the difference, or 6, if the difference be greater than 6, will be added to the limit fixed for the second quarter in that term to determine the number which renders the student liable to discipline.

10. If the student's absences in any quarter exceed the limit and discipline is inflicted, any further irregularity in attendance renders him liable to further discipline at the discretion of the committee; and a number of absences, not exceeding the number incurred in excess of the limit, may be charged against him at the beginning of the next quarter.

### ATTENDANCE ON CLASS EXERCISES.

11. Every undergraduate student is required to attend the scheduled exercises of his class. When his absences in any quarter exceed a certain number (10 for Seniors and Juniors, 8 for Sophomores, Freshmen and Specials) he becomes liable to discipline, which in ordinary cases shall be the imposition of extra work, though other penalties may be imposed at the discretion of the committee. After the first penalty has been imposed, any further irregularity in attendance in that quarter renders the student liable to further discipline at the discretion of the committee.

12. If a student is irregular in his attendance on the exercises of any instructor, the instructor may impose extra work; and, in case the absences exceed one-sixth of the exercises with that instructor, he may debar the student from

the regular examination. A student thus debarred from examination shall be dealt with according to the regulations for conditioned students.

### Commencement Exercises.

The Annual Commencement takes place on the Wednesday preceding the last Wednesday but one in June.

The Baccalaureate Sermon of the President to the graduating class is delivered on Sunday of Commencement week.

The Class Day exercises of the graduating class are held on Monday of Commencement week. The reading of theses by the graduating class of the School of Science, the annual meetings of the Literary Societies, the annual meeting of the Alumni Association of Nassau Hall, and the Lynde prize debate are held on Tuesday.

### Public Worship.

Prayers are offered in Marquand chapel every week-day morning.

Divine service, under the superintendence of the President, is held in Marquand chapel, on Sunday, at 11 o'clock A. M.

A brief religious service is held in chapel every Sunday afternoon at 5 o'clock.

Permission to attend divine service elsewhere than in the chapel, on special occasions, is granted on application to the President. For permission to attend regularly one of the churches of the town on Sunday morning, a written request from the parent or guardian of the applicant must be presented to the President.

### Public Lectures.

The interest of $10,000, presented by Mr. Spencer Trask of New York City, is available to secure the services of eminent lecturers to deliver public lectures before the University on subjects of special interest.

## UNIVERSITY LECTURES AND CONCERTS, 1900–1901.

First Trask Lecture, President Arthur Twining Hadley of Yale University, January 16, 1901. Subject, "Government by Public Opinion."

Second Trask Lecture, Professor Louis Dyer of Oxford University, February 14, 1901. Subject, "The Labyrinth or Palace of Minos at Knossos in Crete."

Third Trask Lecture, Mr. Frederick Harrison. Subject, "Recent Estimates of Oliver Cromwell."

Stafford Little Lectures, Hon. Grover Cleveland, LL.D., March 27, 29, 1901. Subject, "The Venezuelan Boundary Controversy."

First Lit. Lecture, Joseph Jefferson, November 15, 1900. Subject, "The Drama."

Second Lit. Lecture, Major James B. Pond, November 23, 1900. Subject, "Memories of the Lyceum."

Lectures by Mr. Laurence Hutton, February 13, 18, 20, and 27, 1901. General subject, "Literary Reminiscences of Oxford University."

Lecture by Mr. Poultney Bigelow, December 3, 1900. Subject, "The Awakening of Germany."

Lecture by James Barnes '91, February 7, 1901. Subject, "With the British to Pretoria; Side Light Stories of the South African Campaign."

Lecture by M. Bunau-Varilla of Paris, February 28, 1901. Subject, "Relative Merits of the Panama and Nicaragua Canals."

Reading by Dr. S. Weir Mitchell, March 6, 1901.

Lecture by M. Gaston Deschamps, March 26, 1901. Subject, "The French Press in the Nineteenth Century."

Reading by Samuel L. Clemens (Mark Twain), May 9, 1901.

Lecture by Professor Frank M. Chapman, May 17, 1901. Subject, "The Study of Birds with the Camera."

Kneisel Quartette Concerts, November 12, 1900, January 21, February 25, March 25, 1901.

Concert by Mr. Harold Nason, '98, pianist, and Mlle. Inez Jolivet, violiniste, January 15, 1901.

Concert by the Pittsburgh Orchestra, February 11, 1901,

Concert by the Musurgia Club of New York, February 22, 1901.

Song Recital by Mr. David Bispham, April 24, 1901.

## FELLOWSHIPS CONFERRED BY APPOINTMENT.

These fellowships were founded by subscription and endowment and were intended by the founders to encourage study and promote original research in the several departments to which they are assigned. They are distinguished from the competitive fellowships by being open to the graduates of any American college, while the appointments are made, not by competitive examination, but by a comparison of the records presented by the applicants as to their previous collegiate standing, capacity, and character.

The fellowships are subject to the following regulations:

1. The fellowships are to be held for one year, but in cases of special merit they may be continued for a longer period, by recommendation of the department and sanction of the Faculty.

2. The candidates shall be graduates of not more than five years' standing of an accredited American college. An application should be accompanied with evidence of the qualifications of the applicant to pursue an independent course of study and investigation in the department concerned.

3. Appointment shall be made by the Faculty upon recommendation of the Professors in the department interested, and shall be announced at Commencement.

4. All applications must be in the hands of the Registrar of the University on or before May 15th, the appointees to hold their positions for a year from the following September.

It is deemed essential to the development of the Graduate department that the number of these fellowships should be largely increased. The following have already been founded:

### J. S. K. Mathematical Fellowship Fund.

This fund was founded in 1873 by a resident of New York City, who gave $11,000 for the purpose. Through accumulations of interest it now amounts to $16,500. In accordance with the deed of gift, "the income from this fund is to be devoted exclusively to fellowship purposes in the department of mathematics."

One fellow in mathematics will be appointed each year. Frequently a second fellow may be appointed. Appointments will be made either on the basis of the records presented by the applicants as to their previous collegiate standing, capacity, and character, or, in the case of resident students, on the basis of a competitive examination to be held in June on geometry, differential equations, and the theory of functions.

### South East Club University Fellowship in Social Science.

This fellowship, which pays to the holder $500 per annum, was founded by alumni of the classes of '76, '77, '78 and '79—former residents of the South Entry of East College.

CLASS OF 1877 UNIVERSITY FELLOWSHIP IN BIOLOGY.

This fellowship pays to the holder $400 per annum.

CHARLES SCRIBNER UNIVERSITY FELLOWSHIP IN ENGLISH LITERATURE.

This fellowship, which yields the holder $500 per annum, was founded in memory of Charles Scribner by his son, Mr. Charles Scribner, of the class of 1875.

UNIVERSITY FELLOWSHIP IN ARCHÆOLOGY.

This fellowship pays to the holder $400 per annum.

THAW FELLOWSHIP IN ASTRONOMY.

This fellowship. which pays to the holder the income of $10,000, was founded by Mrs. Thaw, of Pittsburgh.

JOHN HARDING PAGE CLASSICAL FELLOWSHIP.

This fellowship was established in 1900 by Mrs. James Laughlin, Jr., as a memorial to her father, Mr. John Harding Page. It is conferred by appointment of the Faculty and pays the holder the sum of $600.

FRANCIS HINTON MAULE BIOLOGICAL FELLOWSHIP.

This fellowship was founded in 1901 by Mr. and Mrs. Francis I. Maule as a memorial of their son, Francis Hinton Maule, who was a student in the University during the years 1895-98. It is conferred by appointment of the Faculty and pays the holder the income of $10,000.

## COMPETITIVE FELLOWSHIPS.

Besides the degrees and honors conferred in the regular course, annual fellowships, competitive scholarships, and prizes are offered as special incentives to study, in the classes or departments with which they are connected.

Only matriculated students who are candidates for a degree are admitted to the competition for these fellowships, prizes, and scholarships, and no one is admitted to such competition who has failed to pass satisfactorily his last preceding examination in any of the departments.

No member of any class is allowed to compete for more than one of the fellowships or scholarships offered to that class.

The names of the fellows, scholars and prizemen of each year are included in the Honor List for the year.

The funds for the competitive fellowships, prizes, and scholarships are special gifts, and the income is appropriated according to the specific instructions of the donor. They do not belong to the general funds of the University.

Every competitor must have been a member of the University in full standing for at least two academic years previous to the fellowship examinations.

No student whose final rank for scholarship is below the second general group can be a competitor for any fellowship; and no student can be a competitor for the fellowship in any particular department whose average rank for the last two years of his course is below the first group in that department.

Every Fellow obtaining one of the competitive fellowships the income of which is over $400 must devote his whole time for one year to study in the department for which the fellowship is provided, under the direction of the Professors in that department. He must reside in Princeton, and pass two rigid examinations on his work, unless by a vote of the Faculty he be allowed to study at an approved foreign university, in which case he shall from time to time furnish written reports of his work to the Professors in his department. The result of every examination and the reports of work done abroad shall be immediately reported to the Faculty. Any Fellow resident in Princeton shall,

when called upon, perform such duties in the department to which he belongs as may be assigned to him by the President at the request of the Professors in that department. Any Fellow may be allowed to occupy free of cost in one of the University buildings a room assigned to him by the University authorities, and while occupying such room he shall be regarded as a resident officer of the University, and shall perform such duties in preserving order and decorum in the University edifices as the President and Dean may assign.

### Chancellor Green Mental Science Fellowship.

This fellowship, originally founded in 1870 upon the annual payment of $600 by the late Chancellor Henry W. Green, was permanently endowed in 1878 by a gift of $10,000 by his widow.

The income of this fund, at the current rate of interest, to be paid quarterly, will be awarded to that member of the Senior Class who shall write the best essay on a subject to be assigned by the department of philosophy (to be given in on or before June 1), and who shall stand highest at a special examination to be held in June.

The examination will include the philosophies of Plato, Aristotle, Descartes, Locke, Leibnitz, Hume, Reid, and Kant; also theoretical ethics, metaphysics, psychology, and inductive logic.

### Class of 1860 Experimental Science Fellowship.

This fellowship was founded in 1870 upon the sum of $10,000 subscribed by the Class of 1860. A deficiency of income, resulting from the depreciation of the value of the securities in which the principal was invested and the lowering of the rate of interest, is paid by the consent of the donor, from the income of the Magee Professorship of Mining and Engineering, founded by George J. Magee, Esq., of the Class of 1860.

The income of the fund, to be paid quarterly, will be awarded to that member of the Senior class who shall stand highest at special examinations, to be held in May or June, on the following subjects, viz: 1. Theory of heat. 2. Outlines of theoretical chemistry. 3. The subjects in geology may be learned on application to the Professor of Geology.

### Boudinot Fellowships.

These fellowships are founded in part upon a bequest of Dr. Elias Boudinot, of New Jersey.

The Historical Fellowship.—The sum of $200 per annum, to be paid quarterly, will be given to the holder of the fellowship, who shall be appointed by the Faculty, upon the nomination of the President and the Professor or Professors of History, for any period not exceeding three years, on condition that he reside in Princeton and devote his whole time to historical research; that he deliver such lectures and conduct such exercises as the President and Professor or Professors of History shall direct, and that he perform such other duties as may be assigned him in accordance with the general regulations respecting the duties of resident Fellows.

This Fellow receives for the year 1901–1902 three hundred dollars additional. And an extra fellowship in History of five hundred dollars has been awarded for last year and for this. The department expects to be able to continue these two fellowships.

The Modern Language Fellowship.—The sum of $200, to be paid quarterly, will be awarded to that member of the Senior class who shall pass the best examination in June, on the following subjects:

In German—Translation from English into German; the reading at sight of German prose, historical and literary; history of German literature; critical study of Lessing's Laocoon, Schiller's Wallenstein, Goethe's Egmont and Faust.

In French—Translation from English into French; a knowledge of historical French Grammar; the history of French Literature; and work in Molière's plays, portions of Pascal, Madame de Sévigné, Voltaire, and Victor Hugo, to be assigned upon application. An essay of not less than four pages (foolscap) in either French or German.

The Fellow shall from time to time during the following year, as may be required by the Professors of Modern Languages, give evidence by papers that he is reading such a course as the Professors may approve.

### The E. M. Biological Fellowship.

This fellowship will be awarded after a competitive examination on subjects assigned by the Professors of the Biological department.

The competition for this fellowship will be open to any member of the Senior class in either the Academic or Scientific department, or to any college graduate who shall have pursued during the preceding year the university course in Biology at Princeton, and who shall, in the opinion of the examiners, be deemed competent to pursue the subject advantageously.

This fellowship conveys the use of a table in the National Seaside Laboratory at Woods Holl, Mass., together with all the facilities afforded for the collection and study of animal life during the season favorable for such investigations. In the winter months following this laboratory work the Fellow will pursue his studies at Princeton, and will be required to prepare and submit a thesis embodying the results of his summer researches.

The examination for this fellowship in 1900 was held in June upon the following subjects:

1. Life-history of higher cryptogams and gymnosperms.
2. Anatomy and embryology of mollusca.
3. Anatomy and embryology of the teleosts and selachians.
4. The histology of the nervous system.

# PRIZES AND COMPETITIVE SCHOLARSHIPS.

## Alexander Guthrie McCosh Prize.

The interest of $1,500 will be given annually to that member of the Senior class who shall pass the best examination and write the best essay in philosophy, including psychology, logic, metaphysics, and the history of philosophy. The subject of the essay will be: Realism and Idealism. It must be handed in on or before June 1.

## The Lynde Prizes.

Three prizes—the income of $5,000, contributed by Charles R. Lynde, Esq.,—will be awarded by a committee appointed by the Faculty, to the three successful competitors in a debate on the Tuesday evening preceding Commencement. The competitors are six members of the Senior class—representatives of the Literary Societies—selected by committees appointed by the Societies respectively, from their own members in the Faculty.

## Baird Prizes.

Through the liberality of Charles O. Baird, Esq., the following prizes, representing the income of $6,000, will be given to those who excel in the oratorical exercises of the Senior class, viz: The Baird prize of $100, to the best speaker of those who have ranked among the first six writers in any two of the three departments of English Literature, Rhetoric, and Oratory; a prize for oratory, of $50, to the best speaker, exclusive of the Baird Prizeman, of

those who, in the same departments, have ranked among the first twelve writers; a prize for delivery, of $30, to the best speaker exclusive of the two just mentioned; also, a prize for poetry of $50; and two prizes of $40 and $30, respectively, for the best and the second best written disputations.

### Class of 1859 Prize.

The interest of $2,000, given by the Class of 1859, will be awarded to that member of the Senior class who shall write the best essay on Charles Kingsley and pass the best examination on the "Novel of Purpose," in English. The essay must be handed in on or before June 1, and the examination will be held in June. The subject of the essay for the Class of 1903 will be Charles Lamb.

### George Potts Bible Prizes.

The yearly interest of $1,000, given in 1867 by Mrs. Sarah A. Brown, expended in the purchase of two copies of Matthew Henry's Commentary on the Bible, will be presented to the best two Biblical scholars of the Senior class at the end of their course.

### Lyman H. Atwater Prize in Political Science.

This prize, being the annual interest on the sum of $1,000, contributed by the Class of 1883, was instituted as a memorial of Rev. Lyman H. Atwater, D.D., LL.D., Professor of Political Science. It will be given to that member of the Senior class who shall be adjudged by the Professors of Political and Social Science to have passed the best examination and written the best essay. The subject for the examination in 1902 will be: The English Constitutional System. The subject for the essay will be: English Colonial Administration. The essay must be ready June 1; the examination will be held on that day.

### Frederick Barnard White Prize in Architecture.

Mrs. Norman White has established in memory of her son, Frederick Barnard White, of the Class of 1883, a prize in architecture, yielding $50 each year. It is open to the entire Junior and Senior classes and to special students who take a full schedule of studies. It will be given for the best essay and examination. The subject of the essay for this year is: The Theatre of Dionysos in Athens. The subject of the examination will be The Greek Theatre. The essay should be presented before June 1.

### Theodore Cuyler Prize in Economics.

The interest of $5,000, presented by Mr. C. C. Cuyler, of the Class of 1879, will be given to that member of the Senior class who shall present the best thesis and pass the best examination in June on some subject in Political Economy, to be assigned by the Professors in charge of that Department. The subject for the thesis of 1902 will be: Railway Economics, and the examination will cover The Theoretical Problem of Interest.

### Class of 1869 Prize in Ethics.

The annual interest of $3,000, given by the Class of 1869, will be awarded to that member of the Senior class who shall pass the best examination in Ethics and write the best essay. The essay to be presented on or before June 1. The subject of the essay for the Class of 1902 will be: The Bearing of Genetic Psychology on Moral Obligation.

### C. O. Joline Prize in American Political History.

"The sum of one hundred and fifty dollars, payable in annual instalments of fifty dollars, will be awarded at intervals of not less than three years to that graduate of the Uni-

versity, pursuing the study of American history as a specialty, who shall have presented before graduation the best thesis on some topic assigned by the Professor of History, and connected with the political history of the United States between the years 1787 and 1820, and who shall annually, for two years thereafter, present as evidence of his work a satisfactory essay of not less than five thousand words on a kindred topic suggested by himself."

### New York Herald Prize.

The yearly interest of one thousand dollars, presented by Mr. James Gordon Bennett, will be given to the member of the Senior class or to the special student of satisfactory standing who shall have taken the prescribed course in Political Science and English Literature, and who shall have prepared the best essay in English prose upon some subject of contemporaneous interest in the domestic or foreign policy of the United States Government. The subject for the essay in 1902 will be: The Past and Present Relations of England and the United States with regard to the building of a Central American Isthmian Canal.

### Wood Legacy.

The sum of $150, the income of a legacy of Dr. George B. Wood, will be awarded to that member of the Junior class who shall stand highest for the Junior year.

### Junior Orator Medals and Maclean Prize.

Four gold medals, or books of equal value, will be awarded by a committee appointed by the Board of Trustees, to the four successful competitors in an oratorical contest during Commencement week. The competitors are eight members of the Junior class—four from the Cliosophic and four from the American Whig Societies—selected by com-

mittees appointed by the Societies respectively, from their own members in the Faculty.

The Maclean prize, founded by the will of the late Henry A. Stinnecke, consisting of the sum of $100, will be given to that one of the orators chosen by the Literary Societies from the Junior class, who shall during Commencement week pronounce the best English oration.

The committee of judges will be composed of a Professor of English and two graduates of the University not members of the Faculty.

### Dickinson Prize.

The Dickinson prize, founded in 1782 by the Hon. John Dickinson, of New Jersey, Governor of Pennsylvania and Delaware, consisting of a medal of the value of $60 (or its equivalent in money), will be awarded to that member of the Junior class who shall write the best dissertation upon a theme in Logic; the dissertation to be presented on or before June 1. The subject of the dissertation, The Theory of Judgment.

### Class of 1876 Memorial Prize for Debate in Political Science.

This prize is to be given annually by the Class of 1876 to the successful contestant in a debate on a subject of current interest in American politics, to be held on Washington's Birthday, said prize to be the interest of $2,000. The competitors, four in number, one from each class, are to be chosen by a vote of their respective classes.

### Class of 1870 Junior English Prizes.

Of the yearly interest of $1,500, one-half will be given to the best Old English scholar, and one-half to the best English Literature scholar of the Junior Academic Class.

### Thomas B. Wanamaker English Language Prize.

This prize, the yearly interest of $1,000, will be given to that member of the Junior Academic Class who shall pass the best examination in English philology, and write the best thesis on some assigned topic therein.

### The M. C. H. Junior German Prizes.

Two prizes of $25 and $15, respectively, established in memory of Mary Cunningham Humphreys, will be awarded to those members of the Junior Class (Academic) who, having taken the regular German course for at least two years, shall, at the close of the second term, pass the best examination on the work of the term and on the life of the author whose works have been the principal subjects of the year's study.

### Stinnecke Scholarship.

The Stinnecke Foundation was established in 1870 by the will of the late Henry A. Stinnecke of the Class of 1861, and was supplemented by a bequest received in 1876 from his aunt, Miss Maria Stinnecke. The income is divided between the Stinnecke scholarship of $500 and the Maclean prize of $100.

The Stinnecke scholarship, of the annual value of $500, tenable during the undergraduate course, unless forfeited by neglect of study, "will be given to that person who, having entered the Sophomore class, shall pass the best examination at the opening of the session in September, 1902, in the Odes of Horace, the Eclogues of Virgil, and the Latin Grammar and Prosody, as well as the Anabasis or Cyropædia of Xenophon and the Greek Grammar." Students of the University who have been members of the Freshman class, as well as new students entering the Sophomore class, will be admitted to such examination. The committee of examiners is appointed by the Board of Trustees.

### Class of 1861 Prize.

The interest of $1,200, given by the Class of 1861, will be awarded to the member of the Sophomore class who shall pass the best examination at the end of the year on Mathematics 5, 7, 8.

### Francis Biddle Sophomore Essay Prize.

This prize, the yearly interest of $500, will be given to that member of the Sophomore class, not below the fourth group in his English studies, who in the judgment of a committee appointed by the Faculty, shall write the best English essay of the year.

### Class of 1870 Sophomore English Prize.

This prize, the yearly interest of $1,000, will be given to that member of the Sophomore Academic class who shall pass the best examination on the English studies of the year.

## CHARITABLE FUNDS.

The Richards Fund.—A bequest by Mrs. Esther Richards, of New York, amounting to $2,970.32, for the benefit of candidates for the ministry. Received in 1790.

The Leslie Fund.—A bequest of James Leslie, of New York, a graduate of the Class of 1759, amounting to $10,677.49, for "the education of poor and pious youth with a view to the ministry of the Gospel in the Presbyterian Church." Received in 1792.

The Hodge Fund.—A bequest of Hugh Hodge, of Philadelphia, of a house and lot on Market street, above Second (No. 205), "to be held by the Trustees in trust, to lease out from time to time, and the rents to be applied to the support and education of pious youth for the ministry." Received in 1805. The net income for the current year will amount to about $750.

THE VAN ARSDALE FUND.—A bequest of Robert Van-Arsdale, of Newark, N. J., of the Class of 1826, amounting to $3,000, "in trust for promoting charitable instruction in the College of New Jersey, according to the discretion of the Faculty." Received in 1875.

## ENDOWED SCHOLARSHIPS.

| | | |
|---|---|---|
| 1–3. | The COLT Scholarships, founded by Roswell Colt, of Paterson, N. J., | $3000 |
| 4. | The NEWKIRK Scholarship, founded by Matthew Newkirk, of Philadelphia, | 1000 |
| 5. | The JOHN JOSEPH RANKIN Memorial Scholarship, founded by his father, Wm. Rankin, of Newark, N. J., | 1000 |
| 6. | The CRESSWELL Scholarship, founded by A. Cresswell, of Kishacoquillas, Pa., | 1000 |
| 7. | The ISAAC R. RANKIN Scholarship, founded by Isaac R. Rankin, of Newark, N. J., | 1000 |
| 8. | The MUSGRAVE Scholarship, founded by Rev. George W. Musgrave, D.D., | 1000 |
| 9. | The COGSWELL Scholarship, founded by Rev. Jonathan Cogswell, D.D., | 1000 |
| 10. | The GREEN Scholarship, founded by Hon. Henry W. Green, LL.D., | 1000 |
| 11–15. | The LENOX Scholarships, founded by James Lenox, of New York, | 5000 |
| 16. | The HODGE Scholarship, founded by Dr. Hugh L. Hodge, of Philadelphia, | 1000 |
| 17. | The A. B. BAYLIS Scholarship, founded by A. B. Baylis, of Brooklyn, | 1000 |
| 18. | The HENRY J. VAN DYKE Scholarship, founded by George L. Sampson, of Brooklyn, | 1000 |
| 19. | The GREGORY Scholarship, founded by Dudley S. Gregory, of Jersey City, | 1000 |
| 20. | The FIRST PRESBYTERIAN CHURCH OF PEEKSKILL Scholarship, founded by members of the Church, | 1000 |
| 21. | The VAN VORST Scholarship, founded by Hon. John Van Vorst, of Jersey City, | 1000 |

22. The JANEWAY Scholarship, founded by the Rev. Jacob J. Janeway, D.D., 1000
23. The PRESBYTERIAN CHURCH OF HUNTINGTON, L. I., Scholarship, founded by the ladies of the Church, 1000
24. The BACKUS Scholarship, founded by E. F. Backus, of Philadelphia, 1000
25. The VAN SINDEREN Memorial Scholarship, founded by Mrs. and Miss Van Sinderen, of Brooklyn, 1000
26. The NORRIS HALSTEAD Scholarship, founded by Gen. N. Norris Halstead, of Newark, N. J., 1000
27. The MACLEAN Scholarship, founded by Drs. John and George M. Maclean, 1000
28. The HAINES Scholarship, founded by Richard T. Haines, of Elizabeth, N. J., 1000
29. The JACKSON Scholarship, founded by Hon. John P. Jackson, of Newark, N. J., 1000
30. The TUTTLE Scholarship, founded by Joseph N. Tuttle, of Newark, N. J., 1000
31. The GERTRUDE N. WOODHULL Memorial Scholarship, founded by her son, Dr. John N. Woodhull, of Princeton, 1000
32. The NATHANIEL W. TOWNSEND Memorial Scholarship, founded by his daughter, Mrs. Daniel Haines, 1000
33. The FIRST PRESBYTERIAN CHURCH OF BRIDGETON Scholarship, founded by members of the Church, 1000
34. The SKIDMORE Scholarship, founded by Joseph R. Skidmore, of New York, 1000
35. The SPENCER Scholarship, founded by I. S. Spencer, 1000
36. The JEREMIAH D. LALOR Memorial Scholarship, founded by a friend, 1000
37. The MARQUAND Scholarship, founded by Frederick Marquand, of Southport, Conn., 1000
38. The FIRST PRESBYTERIAN CHURCH OF TRENTON Scholarship, founded by members of the Church, 1000
39. The CAMERON Scholarship, founded by Hons. Simon and Donald Cameron, 1000

40. The SECOND PRESBYTERIAN CHURCH OF ELIZABETH Scholarship, founded by members of the Church, 1000
41. The C. S. BAYLIS Scholarship, founded by Charles S. Baylis, of Brooklyn, 1000
42. The ELIZA MUSGRAVE GIGER Memorial Scholarship, founded by her son, Prof. George M. Giger, D.D., 1000
43. The BLAIR Scholarship, founded by James Blair, of Scranton, Pa., 1000
44. The PENNINGTON Scholarship, founded by Dr. Samuel H. Pennington, of Newark, N. J., 1000
45. The FENTON Scholarship, founded by Aaron Fenton, 1000
46. The TRASK Scholarship, founded by Alanson Trask, of Brooklyn, 1000
47. The WITHINGTON Scholarship, founded by Chandler Withington, of Kingston, N. J., 1000
48. The NEWARK Scholarship, founded by the will of Henry Rogers, of Newark, N. J., 1000
49. The CARTER Scholarship, founded by Aaron Carter, of Newark, N. J., 1000
50-54. The HOLMES Scholarships, founded by Capt. Silas Holmes, of New York, 5000
55. The COLWELL Scholarship, founded by Stephen Colwell, of Philadelphia, 1000
56. The AITKIN Scholarship, founded by John Aitkin, of New York, 1000
57. The BULLARD Scholarship, founded by Mrs. P. Bullard, 1000
58. The NEHEMIAH PERRY Scholarship, founded by the Hon. Nehemiah Perry, of Newark, N. J., 1000
59. The CHARLES DICKINSON HAMILL Memorial Scholarship, founded by his father, the Rev. Samuel M. Hamill, D.D., 1000
60. The CYRENIUS BEERS Memorial Scholarship, founded by his daughter, Miss Julia Beers, 1000
61. The JACOBUS Scholarship, founded by Peter Jacobus, of Newark, N. J., 1000
62. The MATTHEW B. HOPE Scholarship, founded by the Trustees as an acknowledgment of the services of Prof. Hope in raising an endowment of over $100,000, 1000

63. The JOHN MACLEAN Scholarship, founded by a friend of President Maclean, 1000
64. The WHITE Scholarship, founded by William White, Esq., 1000
65. The ELIZABETH VAN CLEVE Scholarship, founded by the Hon. C. S. Green, of Trenton, N. J., 2000
66. The BLOOMFIELD Scholarship, founded by the Hon. Amzi Dodd, of Bloomfield, N. J., 1000
67. The FLAGLER Scholarship Fund, the gift of Henry M. Flagler, of New York City, 1500
68. The JAMES MCCOSH Scholarship, founded by friends of President McCosh in New York City, 1000
69-70. The WISTAR MORRIS WOOD and CHARLES MORRIS WOOD Scholarships, founded by their father, the Rev. Charles Wood, D.D., of Germantown, Pa., 2000
71. The CLASS OF 1856 Scholarship, founded by members of the Class of 1856, 1000
72. The CLASS OF 1841 Scholarship, founded by members of the Class of 1841, 1000
73. The ALBERT DOD BROWN Memorial Scholarship, founded by his mother, Mrs. Susan D. Brown, of Princeton, N. J., 1000
74-83. The JONATHAN DICKINSON Scholarship,
The AARON BURR Scholarship,
The JONATHAN EDWARDS Scholarship,
The SAMUEL DAVIES Scholarship,
The SAMUEL FINLEY Scholarship,
The JOHN WITHERSPOON Scholarship,
The SAMUEL STANHOPE SMITH Scholarship,
The ASHBEL GREEN Scholarship,
The JAMES CARNAHAN Scholarship,
The FRANCIS L. PATTON Scholarship,
84-88. The KENNEDY Scholarships, founded by Miss Rachel L. Kennedy. of New York, 15,000
89. The A. O. HEADLEY Scholarship, founded by A. O. Headley, Esq., of Newark, N. J., 1000
90. The HARVEY LINDSLEY Memorial Scholarship, founded by Mrs. Emeline Coney Lindsley, 1000
91. The BUTLER Scholarship, founded by William Allen Butler, Jr., Esq., 1000

92. The BROKAW Scholarship, founded by Isaac V. Brokaw, Esq., of New York, 1000
93. The EZRA NYE Memorial Scholarship, founded by his son-in-law, F. Wolcott Jackson, of Newark, N. J., 1000
94. The GRACE NEWCOMBE DENNING Scholarship, founded by Mrs. William Moir, of New York, 1500
95. Founded by a friend, 1000
96–97. The MCCORMICK Scholarships, founded by Mrs. McCormick, of Chicago, 2000
98. The WILLIAM CAMPBELL TRUSDELL Memorial Scholarship, founded by his father, Warren N. Trusdell, of Newark, N. J., 1000
99. The HENRY M. ALEXANDER Scholarship, founded by a friend, 1000
100. The JOHN C. D. MATTHEWS Memorial Scholarship, founded by his mother, Mrs. Mary R. Matthews, of Newark, N. J., 1000
101. The MCCORD Scholarship, founded by J. D. McCord, Esq., of Philadelphia, 1000
102–106. The WALLACE Memorial Scholarships, founded in memory of William C. Wallace, of the Class of '23, by his daughters, Mrs. Allen and Miss Wallace, of Newark, N. J., 5000
107. The ROBERT VOORHEES Scholarship, founded by Mrs. Susan V. Clark, 1000
108. The J. S. BONSALL Scholarship, founded by Mrs. Susan Bonsall, 1000

The above scholarships are for the benefit of students in the Academic Department, with the exception of the ELIZABETH VAN CLEVE Scholarship, which may be assigned to a student in the School of Science.

## PECUNIARY AID.

The Secretary of the University is authorized to remit a portion of the tuition fees in the Academic department of candidates for the ministry, of sons of ministers, and also of other applicants who present satisfactory testimonials of

good moral character and of more than ordinary intellectual ability, and who present proofs that the aid requested is absolutely needed. This remission is given in all cases for one year, and will be continued only upon a satisfactory showing in regard to scholarship, moral character and economy during the preceding year. In the case of students who are neither candidates for the ministry nor sons of ministers, the remission of the tuition fee is to be regarded as a loan, to be repaid to the University when it can be done without serious financial embarrassment; and the recipients of such aid are required to sign a non-interest bearing note to this effect. All students in the School of Science, with the exception of the incumbent of the Elizabeth Van Cleve Scholarship, are required to pay tuition fees.

In consequence of the liberal policy of the University, the amount of tuition fees remitted has increased until it is now more than four times the amount of the entire income from the scholarship and charitable funds. While Princeton University wishes to aid all who desire an education, it is nevertheless necessary, on account of the large overdraft of available funds, to restrict aid to those students who have stood in one of the first four groups during Freshman and Sophomore year, and in one of the first three groups during Junior year.

Scholarships may be founded by the payment of $1,000 and designated as the donor may direct, the income from which will be accepted as payment of the tuition fee in the Academic department of any student to whom the donor may assign it for *four years*—to be subsequently assignable by the University.

It is very desirable that the scholarship fund should be increased to at least $150,000. A joint committee of the Trustees and Faculty has been appointed to secure additions to the fund. *This effort is commended to the attention and favor of the Alumni and other friends of the University.*

Applications for scholarships should be made to Mr. C. W. McAlpin, Secretary of the University.

Applications for aid from the charitable funds shonld be made to Professor S. R. Winans, Dean of the Faculty.

## STATEMENT OF GIFTS AND THE DONORS.

FROM AUGUST 1, 1900, TO JULY 31, 1901.

| | |
|---|---|
| M. L. Green and H. W. Green, '91, for Assistant Librarians, | $ 480.00 |
| C. C. Cuyler, '79, for Assistant Librarians, | 250.00 |
| G. D. Morgan, for Assistant Librarians, | 100.00 |
| J. W. Alexander, '60, for Assistant Librarians, | 100.00 |
| Percy R. Pyne, '78, for Assistant Librarians, | 100.00 |
| Junius S. Morgan, '88, for Assistant Librarians, | 60.00 |
| M. L. Green and H. W. Green, '91, for C. E. Green Memorial Alcove, | 690.70 |
| G. A. Armour, '77, for Classical Seminary, | 3,725.00 |
| M. L. Green and H. W. Green, '91, for Green Library, | 180.00 |
| Robert Garrett, '95, for Oriental Book Fund, | 100.00 |
| G. A. Armour, '77, for Oriental Book Fund, | 400.00 |
| M. Taylor Pyne, '77, for Oriental Book Fund, | 500.00 |
| Mrs. A. D. Russell, for Library Maintenance, | 1,800.00 |
| M. Taylor Pyne, '77, for Library Maintenance, | 1,800.00 |
| M. Taylor Pyne, '77, for Library Maintenance Endowment, | 50,000.00 |
| Percy R. Pyne, '78, for Library Account, | 158.53 |
| John L. Cadwalader, '56, for Fellowship, | 750.00 |
| H. S. Little, '44, for Dormitory, | 100,000.00 |
| Mary P. Harris, for President's Contingent Fund, | 350.00 |
| Mrs. N. F. McCormick, for President's Contingent Fund, | 500.00 |

| | |
|---|---|
| Mrs. S. D. Brown, for President's Contingent Fund, | 100.00 |
| Mrs. Wm. Moir, for President's Contingent Fund, | 500.00 |
| George Griffith, for President's Contingent Fund, | 50.00 |
| J. Pierpont Morgan, for Publication Fund, | 8,000.00 |
| Mr. and Mrs. F. I. Maule, for Biological Fellowship, | 10,000.00 |
| James Laughlin, Jr., '68, for Infirmary Annex, | 1,000.00 |
| Mrs. J. D. Davis, for Infirmary Annex, | 1,000.00 |
| S. B. Harbison, for Infirmary Annex, | 100.00 |
| Pliny Fisk, '81, for Historical Fellows, | 800.00 |
| Thomas N. McCarter, '88, for Salaries, | 100.00 |
| J. W. Alexander, '60, for Salaries, | 100.00 |
| Charles Scribner, '75, for Salaries, | 100.00 |
| John L. Cadwalader, '56, for Salaries, | 100.00 |
| J. F. Talcott, '88, for Salaries, | 100.00 |
| C. C. Cuyler, '79, for Salaries, | 100.00 |
| C. H. McCormick, '79, for Salaries, | 100.00 |
| M. Taylor Pyne, '77, for Salaries, | 1,250.00 |
| Anonymous, for Salaries, | 2,800.00 |
| Through Prof. Allan Marquand, for Archæological Fellow, | 400.00 |
| Pliny Fisk, '81, for Ancient History and Archæology Fellow, | 300.00 |
| A. H. Joline, '70, for Ancient History and Archæology Fellow, | 50.00 |
| Charles Scribner, '75, for English Literature Fellow, | 500.00 |
| C. H. Dodge, '79, for South East Club Fellowship, | 83.00 |
| W. E. Dodge, for South East Club Fellowship, | 100.00 |
| Bayard Henry, '76, for South East Club Fellowship, | 100.00 |
| Percy R. Pyne, '78, for South East Club Fellowship, | 100.00 |
| Class of '77, for Class of '77 Fellowship, | 400.00 |

| | |
|---|---|
| Class of '77, for Class of '77 Building, . . . . | 170.00 |
| James Laughlin, Jr., '68, for Classical Fellow, . | 300.00 |
| Thomas D. Jones, '76, for McCosh Professorship Fund, . . . . . | 525.00 |
| David B. Jones, '76, for McCosh Professorship Fund, . . . . . | 525.00 |
| R. A. Edwards, '76, for balance, Sesquicentennial Subscription, . . . . . | 500.00 |
| M. L. Green and H. W. Green, '91, for Physical Apparatus, . . . . . | 102.53 |
| John A. Stewart, for Histological Apparatus, . | 40.00 |
| J. J. McCook, for Histological Apparatus, . . | 40.00 |
| D. C. Blair, '56, for Histological Apparatus, . | 40.00 |
| C. B. Alexander, '70, for Histological Apparatus, | 40.00 |
| C. H. McCormick, '79, for Histological Apparatus, | 40.00 |
| M. Taylor Pyne, '77, for Histological Apparatus, | 40.00 |
| M. L. Green and H. W. Green, '91, for Histological Apparatus, . . . . . | 80.00 |
| Mrs. M. I. Winthrop, for Gifts Subject to President's Direction, . . . . . | 1,000.00 |
| Charles O. Baird, for Baird Prize, . . . . . | 300.00 |
| S. Bayard Dod, '57, for Guyot House Purchase Fund, . . . . . | 100.00 |
| C. H. Dodge, '79, for Guyot House Purchase Fund, | 1,000.00 |
| Percy R. Pyne, '78, for Guyot House Purchase Fund, . . . . . | 1,000.00 |
| M. Taylor Pyne, '77, for Guyot House Purchase Fund, . . . . . | 2,000.00 |
| C. B. Alexander, '70, for Guyot House Purchase Fund, . . . . . | 2,000.00 |
| J. J. McCook, for Guyot House Purchase Fund, | 1,000.00 |
| John A. Stewart, for Guyot House Purchase Fund, | 500.00 |
| D. C. Blair, '56, for Guyot House Purchase Fund, | 1,000.00 |
| John L. Cadwalader, '56, for Guyot House Purchase Fund, . . . . . | 500.00 |

| | |
|---|---|
| Bayard Henry, '76, for Guyot House Purchase Fund, | 1,000.00 |
| John W. Fielder, '74, for Guyot House Purchase Fund, | 250.00 |
| M. L. Green and H. W. Green, '91, for New Steam Boilers, | 20,000.00 |
| Prof. Willard Humphreys, for Junior German Prize, | 40.00 |
| Anonymous, for Return of Loan, | 60.00 |
| Anonymous, for Return of Money from Charitable Fund, | 75.00 |
| M. Taylor Pyne, '77, for Geological Models, | 15.98 |
| Estate of Mrs. S. Bonsall, for J. S. Bonsall Scholarship, | 975.00 |
| Mrs. M. Taylor Pyne, | 1,000.00 |
| Through Prof. A. L. Frothingham, for Art Seminar, | 50.00 |
| M. L. Green, for Expenses of General Assembly, | 50.00 |
| J. W. Alexander, '60, for Expenses of General Assembly, | 50.00 |
| M. Taylor Pyne, '77, for Expenses of General Assembly, | 100.00 |
| Bayard Henry, '76, for Expenses of General Assembly, | 100.00 |
| H. Young, Jr., '93, for Expenses of Romance Department, | 25.00 |
| J. M. Hall, for Expenses of Romance Department, | 10.00 |
| R. Garrett, '97, for Expenses of Romance Department, | 50.00 |
| F. D. McKenney, '84, for Expenses of Romance Department, | 15.00 |
| F. Jelke, Jr., '84, for Expenses of Romance Department, | 10.00 |
| J. W. Garrett, '95, for Tree Fund, | 50.00 |
| Bayard Henry, '76, for Tree Fund, | 100.00 |

| | |
|---|---|
| A. D. Russell, for Tree Fund, . . . . . | 100.00 |
| A. Van Rensselaer, '71, for Tree Fund, . . . | 100.00 |
| John D. Davis, '72, for Tree Fund, . . . . . | 25.00 |
| | $227,477.34 |

## EXPENSES.

The following is the schedule of expenses for the year.

| | |
|---|---|
| Board, 36 weeks . . . . . | $ 3.00 to $7 per week. |
| Washing, 36 weeks . . . . . | 50 cents per week. |
| Tuition and public room fee, Academic . . . . | 150.00 per annum. |
| Tuition and public room fee, School of Science . | 160.00 per annum. |
| Tuition, extra, for each of Academic Chemical courses, 5, 6, 7, 9, 10, and 12 . . . . . | 10.00 per term. |
| Room rent (according to location of rooms), . . | 30.00 to $300 per annum. |
| Fuel deposit (according to location of rooms). . | 17.00 to $26 per annum. |
| Gas deposit (according to location of rooms) . . | 24.00 to $42 per annum. |
| Infirmary Fee (may be increased) . . . . . | 6.00 |
| Brokaw Building Fee . . . . . | 4.00 |
| Matriculation Fee, payable on entrance . . . | 5.00 |
| Graduation Fee, payable second term, Senior year . . . . . | 12.00 |

For other special courses than that in Analytical Chemistry arrangements may be made upon consultation with the professor in charge.

The charges for fuel and gas are approximations based upon the greatest amount used. An account of the actual consumption is kept with each room, and the exact charge is adjusted at the end of the year. The charge for fuel includes the cost of kindling, and the labor of carrying coal, making fires, etc.

*Apparatus Deposits.*—Students pursuing certain courses in the School of Science are required to make deposits to pay for apparatus injured or destroyed. At the end of the term any excess in favor of the student is placed to his credit on the bill for the next term. The deposits in the courses are: Freshmen, second term, Geodesy, $10; Sophomores, second term, Geodesy, $15; first or second term, Chemistry, $12. Juniors, first term, Geodesy, $10; Chemistry, *c*, $12; second term, Geodesy, $10. Seniors, first term, Geodesy,

$5; Chemistry, *c*, $15; Chemistry, *g*, $12; second term, Chemistry, *c*, $10.

Students taking any of the courses in Graphics will require a drafting outfit costing from $18 to $25.

Academic students taking laboratory courses in Chemistry are required to make apparatus deposits as follows: Chemistry 5, $10; Chemistry 6, $10; Chemistry 7, $6; Chemistry 9, $15; Chemistry 10 and 14, either singly or together, $15.

## Estimate of Annual Expenses.

### ACADEMIC DEPARTMENT.

Attention is specially called to the following approximate estimate of the necessary annual expenses for a student occupying an unfurnished room in one of the colleges, without including clothes, travelling or vacation expenses:

| | Min. | Medium. | Max. |
|---|---|---|---|
| Board, 36 weeks, at $3.00 to $7.00 | $108.00 | $180.00 | $252.00 |
| Washing, 36 weeks, at 50 cents per week | 18.00 | 18.00 | 18.00 |
| Tuition and Public Room Fees | 150.00 | 150.00 | 150.00 |
| Infirmary Fee (may be increased) | 6.00 | 6.00 | 6.00 |
| Brokaw Building Fee | 4.00 | 4.00 | 4.00 |
| Matriculation Fee (on entrance) | 5.00 | 5.00 | 5.00 |
| Room Rent | 30.00 | 60.00 | 175.00 |
| Fuel | 10.00 | 20.00 | 30.00 |
| Gas | | 10.00 | 25.00 |

## UNIVERSITY BILLS.

All Un versity expenses, including board, must be paid in advance to the Treasurer of the University.

Students are required to call at the Treasurer's office in the course of the first ten days of each term, and to give information as to their place of boarding, etc., so that their bills can be made out. All bills must be paid within the first four weeks of the term. Failure to comply with this rule

will deprive the student of the privileges of the University until payment is made, unless excused by special vote of the Faculty.

When a student enters the University before the middle of the term, he shall pay in full the usual charges for that term, with the exception of the charges for board; if he enter after the middle of the term, he shall pay one-half. For board he shall pay in proportion to the time.

When a student leaves the University, whether voluntarily or by dismission, before the middle of any term, one-half of the charges for tuition and public rooms for that term shall be refunded. But in the case of temporary absence and subsequent return, although the absence be for more than half a term, no such rebate shall be granted.

When a student is dismissed from the University for any cause, the advance deposit for board, fuel, and gas, beyond the time of dismission, shall be refunded to his parent or guardian.

When at the end of the first term the amount of the advance deposit proves to be in excess of the sum required to defray the board or room bills of any student, the excess shall be credited on his bill for the next term. At the end of the Academic year the amounts overpaid by the members of the *graduating class* for board, room rent, fuel, or gas shall be refunded by the Treasurer to the student's parent or guardian. The parent or guardian of *every undergraduate* will be advised of the amount of excess to the credit of his son or ward, and such amount will be *carried over to his credit on the bill of the first term of the following year.* In case of withdrawal or dismissal from the University of any undergraduate, at the end of the college year such excess will be refunded by the Treasurer to the parent or guardian, when informed by the Clerk of the Faculty that such undergraduate has been withdrawn or dismissed from the University.

# RULES GOVERNING THE ALLOTMENT AND RENTAL OF ROOMS.

(DECEMBER, 1901.)

1. Rooms shall be assigned for occupation during the following academic year between the 15th of May and the 1st of June of each year.

2. This assignment shall embrace:

*a.* All rooms occupied by students whose connection with the University will terminate at the end of the academic year.

*b.* The rooms of all Seniors, whether with room-mate or not (unless the room may be retained by a graduate or for a brother, as elsewhere provided in the rules.)

*c.* All rooms for which the lease has not been properly renewed.

3. An allotment may also take place at the close of the first term of each academic year for the purpose of assigning such rooms as may then fall vacant.

4 *a.* The assignment of rooms shall in all cases not herein specially excepted take place in such a manner that specific rooms shall be assigned by lot.

*b.* The rooms to be assigned shall be classified according to the amount of their rental in seven groups as follows:

(1) The first group shall embrace rooms whose rental is from $18 to $36 inclusive.

(2) The second group shall embrace rooms whose rental is from $40 to $66 inclusive.

(3) The third group shall embrace rooms whose rental is from $70 to $100 inclusive.

(4) The fourth group shall embrace rooms whose rental is from $105 to $140 inclusive.

(5) The fifth group shall embrace rooms whose rental is from $150 to $180 inclusive.

(6) The sixth group shall embrace rooms whose rental is from $200 to $240 inclusive.

(7) The seventh group shall embrace rooms whose rental is from $250 to $300 inclusive.

*c.* The applicants for rooms shall be divided into corresponding groups, each applicant being required to inform the Treasurer in writing before the 10th of May or the 20th of January, as the case may be, both of his intention to enter the drawing and of the group in which he wishes to be placed.

*Every applicant for a room shall agree beforehand, and shall be required, to take the room which may be assigned to him by lot in the group in which he has made application.*

*d.* Each drawing shall begin with the first group and proceed from that group through the other groups successively in the order given above. Any applicant who does not obtain a room in the group to which he first asked to be assigned, may be allowed to draw in any higher group.

*e.* If there be any rooms remaining unassigned after a drawing, such rooms may be assigned by subsequent allotment, at such time before the end of the year or of the term as the Treasurer may appoint; such supplementary allotment to be made under the same rules as the principal allotment, with this exception, that the rooms disposed of by means of it may be classified as above or not, at the discretion of the Treasurer.

*f* (*a*). Priority in the drawing shall be determined by the length of time the applicants have been members of the University. The first drawing shall include the names of all applicants who have been members of the University for more than one year. A second drawing shall include the names of all applicants who have been members of the University one year or less.

*f* (*b*). If the application for a double room shall be signed by students who have been members of the University different lengths of time, it shall be classified and placed in the drawing in which the student who has been a member of the University the shortest length of time would be placed.

*g*. New students shall have choice of any rooms remaining vacant at the time of their entering upon residence in the order of their application after undergoing the entrance examinations for full standing, upon condition of immediately signing the lease required in all cases. [See Rule 5 *a*.]

*h*. Double rooms shall be separately classified and allotted in accordance with the above regulations. Only such suites as consist of a study and two bedrooms shall be considered double rooms within the meaning of this clause. No double room shall be assigned to a single individual, nor shall it be within the privilege of any single individual to draw for a double room. Every application for a double room must give the names of two persons who intend to occupy the room together and who undertake to be jointly responsible for the rent of the same.

*i*. Whenever for any reason, one of the occupants of a double room is permitted or obliged to cancel his room lease, the remaining occupant must vacate the room at the end of the current academic term, unless he agrees to pay the whole rent, or provide a room-mate who shall join him in signing a new lease for the remainder of the academic year.

5 *a*. The tenure and liabilities to those to whom rooms are assigned under these rules shall be the tenure and liabilities expressed in the following lease, which must be signed in the case of each room allotted by the student who is to occupy it and by his parent or guardian. This lease must be signed and delivered to the Treasurer in each case within ten days of the allotment, except in the case of new students, provided for under Rule 4 *g*.

This agreement, made the day of , 190 , between the Trustees of Princeton University and of , witnesseth that the said Trustees of Princeton University do hereby lease unto the said Room No. in the Entry of , to hold for the academic year of , paying therefor during the said term unto the said Trustees of Princeton University the yearly rent of $ in two equal payments, to be made, the one within the first four weeks of the first term of the academic year, the other within the first four weeks of the second term of the academic year.

And the said covenants to pay the said rent in the manner and at the times aforesaid and to deliver up the said premises to the said Trustees of Princeton University or its legal representative at the end of said term in as good condition as the same now are or may be put into by the said Trustees of Princeton University, reasonable use and wear and tear thereof, and fire and other casualty excepted. The said lessee also covenants that he will not do or suffer to be done any damage in the leased premises, and that, if any damage beyond reasonable wear and tear be done, he will cause the same to be made good as soon as possible at his own expense, employing for that purpose the proper University workmen, and paying the cost thereof at once to the University Treasurer, it being understood that the damage here meant includes the breakage of glass and locks, whether by accident or design. The said lessee further covenants that he will not sublet the same or any part thereof nor permit any other person or persons to occupy the same or any part thereof, nor make nor suffer to be made any alteration therein without the consent of the said Trustees of Princeton University for that purpose in writing first had and obtained. And the said lessee further covenants that the said Trustees of Princeton University through their authorized representatives may enter the said

premises for the purpose of viewing or making improvements therein at any reasonable times in the day time, or at any other time for the legitimate purposes of University discipline. This lease is made on the express condition that it may be terminated by said Trustees through their representative.

*b.* Any occupant of a college room may retain his room until the end of his undergraduate or graduate course provided he annually notify the Treasurer of his intention of retaining it and sign a new lease before the 1st of May. Otherwise his room shall be considered vacant and shall be included in the next allotment. In case an occupant of a double room be left without a room-mate at the end of the academic year, he may renew his lease upon condition of naming another student of the University who will become joint lessee with him for the following year, unless the room-mate who leaves is a Senior or a fourth year special. It shall also be the privilege of any occupant of a college room to renew his lease at the end of his own tenure in the name of his brother, when that brother is to enter the University immediately.

*c.* The right to occupy a room is not transferable and terminates with the expiration of the lease. Any attempt on the part of the occupant of a college room to sell or transfer, directly or indirectly, his right of occupancy shall be deemed a fraudulent transaction, and will be dealt with by the Faculty as a grave breach of University law.

*d.* The occupant of a college room shall deposit with the Treasurer the sum of 25 cents for each key to his room that may be furnished him by the University; and all amounts paid under this clause shall be refunded upon return of the key or keys furnished.

6. Students vacating college rooms shall be allowed to store any furniture not disposed of in a room designated by the University authorities, under the charge of a salesman

appointed by the University, where it may be offered for sale. Furniture remaining unsold at the end of four months after the date of storing shall be disposed of at public auction to the highest bidder.

7. No exchange of rooms shall be allowed unless formally sanctioned in writing by the Treasurer; and then only upon terms explicitly stated in a written application signed by both parties to the proposed exchange, and not in contravention of the spirit of these rules. Such applications shall be kept on file in the Treasurer's office.

The Committee on Grounds and Buildings shall engage a competent appraiser, not otherwise connected with the University, to determine the value of all furniture and contents for sale in a room to be vacated or transferred. His decision shall be final in every appraisal. Under the general direction of the Treasurer, it shall be the duty of the appraiser to estimate separately the value of each article so offered for sale and to deposit with the Treasurer a complete list for each room of the articles appraised, with their several values affixed. The owner shall not be permitted, under any pretext, to sell to his successor any article for more than the appraised valuation. If he does not wish to sell at so low a price, then he must remove his property from the room. If his successor does not wish to purchase at appraised valuation, he may order that the property be removed from the room. All payments for the furniture or contents of a room vacated or transferred must be made through the Treasurer. But nothing in these rules shall be construed to create a liability on the part of the University for damaged or missing articles.

8. When rooms are vacated during a term the rent shall be paid until the end of the term. An occupant of a college room who expects to be absent on leave for a term may be released from the obligations of his lease, provided he notify the Treasurer before the beginning of the term during

which he expects to be absent, and give up the room; but no abatement or drawback of room rent shall be allowed for any period less than a term, except in special cases, to be stated in writing, and by permission of the Treasurer.

9. The Faculty of the University is directed to suspend or expel every student that may be found guilty of breaking or evading these rules or of injuring or interfering with the person or property of his successor in a room; or of aiding or abetting another in such transgression, evasion, injury or interference. The Faculty and all its officers are instructed to take the utmost pains, by ordinary or extraordinary means, to discover such offenders, and prevent such offenses.

The Faculty is further instructed to report, with the evidence discovered, the name of any graduate or outsider that may be guilty of such offenses to the Committee on Grounds and Buildings; and said committee is authorized and directed to procure legal counsel and, when the evidence seems to justify it, to take appropriate legal proceedings against any and every offender before a court of law.

The Registrar of the University is instructed, under the supervision of the last said committee, to have these regulations incorporated in a set of amended rules and printed in a neat pamphlet, and to send copies to all parents and guardians either of students now in the University, or of applicants for admission.

# PART VI.

## DEGREES AND HONORS, 1900–1901.

# DEGREES AND HONORS CONFERRED

## 1900–1901.

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## DEGREES.

HONORARY DEGREE, CONFERRED OCTOBER, 1900.

LL.D.—Hon. John Hay, Secretary of State.

DEGREE IN COURSE, CONFERRED OCTOBER, 1900.

A.M.—Frank Clarence Shultis, '94.

HONORARY DEGREE, CONFERRED DECEMBER, 1900.

A.M.—Professor Binjiro Suyama, of Tachita, Japan.

DEGREES IN COURSE, CONFERRED DECEMBER, 1900.

A.M.—William Sabin Chase, '89.
B.S.—James Ross Todd, as of the class of '90.
C.E.—James Caldwell Park, as of the class of '99.

DEGREES IN COURSE, CONFERRED MARCH, 1901.

A.M.—Frederick William Loetscher, '96.
Thomas Greer Koontz, *Gates College*, '98.

HONORARY DEGREES, CONFERRED JUNE, 1901.

LL.D.—Hon. Foster M. Voorhees, Governor of the State of New Jersey.
Hon. John R. Emery, '61, Vice-Chancellor of the State of New Jersey.
D.D.—Rev. Edward Riggs, '65.
Rev. Professor Chalmers Martin, '79.
A.M.—Charles E. Paterson.
Rev. George B. F. Hallock.
Hon. William M. Lanning.
William H. Fleming.
Charles W. McAlpin, '88.
Joseph D. McGuire, '63, restored to the roll of his class.

## DEGREES IN COURSE, CONFERRED JUNE, 1901.

### DOCTORS OF PHILOSOPHY (*Ph.D.*) . . . . 3

Hardin Craig, *Centre College*, '97.
Joseph William Lester Jones, '94.
Charles Alexander Robinson, '94.

### MASTERS OF ARTS (*A.M.*) . . . . 37

John Menifee Brennan, '92,
Frederick Sherlock Kellogg, '93,
Edgar Mason Smead, '95,
Charles Bell McMullen, '96,
Robert Purcy Colwell, '97,
Frederic Janvier Newton, 97,
John Woolman Churchman, '98,
Clarence Porter Cowles, '98,
Herbert McDermott, '98,
Harvey Lee Wyatt, '98,
Henry Alfred Boggs, '99,
Edwin Ernest Curtis, '99,
Nathaniel Smith Reeves, '99,
George Jeffrey Russell, '99,
Herbert Douglas Austin, 1900,
David Laurence Chambers, 1900,
Elmer Schultz Gerhard, 1900,
Adam Miller Hiltebeitel, 1900,
Edward Lawrence Katzenbach, 1900,
Samuel Bryan Scott, 1900,
Charles Kern Smith, 1900.
Charles Augustus Case, *Emporia*, 1900.
Dudley Malcolm Claggett, *Westminster*, '95.
Norman Logan Euwer, *Geneva*, '98.
Herbert Frederick Fisher, *Univ. of Miss.*, '98.
Hugh Williams Griffith, *Ripon*, '98.
Nathan Wilbur Helm, *De Pauw*, '99.
William Charles Hogg, *Royal Univ., Ireland*, '94.
William Melchior Horn, *Muhlenburg*, 1900.
Ebenezer Edwin Jones, *Ripon*, '99.
James Nevin, *Royal Univ., Ireland*, '95.
John Fairman Preston, *Furman*, '98.
Robert Cameron Richardson, *Parson*, '98.
Oscar Newton Smith, *Westfield*, '87.
Howard Pennington Stemple, *Roanoke*, '98.
Andrew Todd Taylor, *Grove City*.
Henry Burl Vail, *Wooster*, '96.

### MASTERS OF SCIENCE (*M. S.*) . . . . 3

Aymar Embury, Jr., C.E., 1900.
James Williams Gidley, B.S., 1898.
Henry Seymour Mudge, A.B., 1899; A.M., 1900.

BACHELORS OF ARTS (*A. B.*) . . . . 155

Arthur Herman Adams,
John Aitken,
Leon Jacob Bachenheimer,
Oliver Kinsey Badgley,
James Baker, Jr.,
Julius Lyman Baldwin,
Franklin George Bamman,
Abraham Glenni Bartholomew,
Lawrence Stewart Bartlett,
Charles Strawder Batt,
William Heyburn Batting,
Mead Van Zile Belden,
Valentine Hummel Berghaus, Jr.,
John Albert Bernhard,
Charles De Ford Besoré,
Eli Judson Blake,
Harry Laity Bowlby,
George Hamilton Boynton, Jr.,
Edmund James Brady,
William Lincoln Breckenridge,
John Brewer,
Linn Roberts Brokaw,
John Le Foy Brower,
Eugene Palmer Burr,
Francis Thomas Carstensen,
Howard Carter,
Edwards Taylor Casebolt,
John Lloyd Coates,
Matthias Woolley Conrow,
Jasper Elliott Crane,
Jack Randall Crawford,
Ross Ambler Curran,
Harry Gross Dechant,
Henry Haupt Derr,
Charles Enos Snyder Dietz,
Robert Carter Dodd,
Robert Sample Donaldson,
Allan Vining Duncan,
William Kirby Dwight,
Anstice Ford Eastman,
Morgan Owen Edwards,
Thomas John Elliott,
Robert Bartlett Elmore,
Calvin Fentress,
John Van Lear Findlay, Jr.,
Franklin William Fort,
John Gilfillan Frazer,
Howard Edwards Gansworth,
Ora Fletcher Gardner,
William Rome Gelston,
Edward Glassmeyer,
Solomon Forebaugh Glenn,
Paul Morse Goodwin,
Charles String Gray,
Latta Griswold,
Francis Jordan Hall,
Samuel Hamilton, Jr.,
Christian Hoover Hanlin,
Merritt Lynde Harding,
Matthew Harper,
Rudolph Hassleton Hatfield,
Elroy Headley,
Nathan Scarritt Hendrix,
Frank Philip Hiner,
Howard Parmelee Homans,
Walter Ewing Hope,
Walter Murdock Howell,
Robert Andrew Hunter,
DeWitt Vermilye Hutchings,
Samuel Harvey Iams,
James Imbrie,
Malcolm Imbrie,
James Walker Jameson,
Frank Latimer Janeway,
Bert Day Johnson,
Samuel Thomas Day Jones,
Clark Silliman Judd,
Louis Emery Katzenbach,
George Washington Kehr,
Gilbert Walker Kelly,
Clarence Dilworth Kerr,
James Smylie Kinne,

Charles Seth Lane, Jr.,
Carl Stewart Lawton,
Frank Insley Linen,
Halsted Little,
Raymond Demorest Little,
Wallace Blauvelt Lydecker,
Wickliffe Bull Lyne,
Charles Albert Lyon,
Harry Ellison Lyon,
James Clarke McAfee,
Charles Alpheus McClure,
John McCurdy, Jr.,
John Kirkwood Mackie,
James Craig McLanahan,
John McWilliams, Jr.,
Harry Joseph Matthews,
Louis Jungerich Matthews,
George McKinley Mattis,
Andrew Douglas Merrick,
William Chambers Meyers,
Adam Marion Miller,
Frank Dana Miller,
James Donald Morrow,
Preston Knox Morrow,
Walter Barclay Mount,
Howard Rufus Omwake,
Howard David Pancoast,
Robert Blakeney Petty, Jr.,
William Frazer Petty,
Robert Fulton Pitcairn,
Edward Cuthbert Platt, Jr.,
Henry Meeker Reeve,
Charles Randal Robbins,
John Haldeman Robbins,
John Leete Rogers,
George Ebersole Rose,
Gordon Macgregor Russell,
Howard Moore Saylor,
Rodman Schaff,
Henry Lloyd Schenck,
James Percy Schureman,
Herbert Eugene Shaffer,
Howard Alexander Smith,
Wilson Schuyler Smith,
Robert Service Steen,
Robert Woods Sutton,
Robert Frederick Swigart,
Ralph Powell Swofford,
James Bryce Taylor,
Beekman Ramsey Terhune,
Lewis Adams Thomas, Jr.,
Ralph Somerville Thompson,
Thomas Longland Thompson,
Alfred Emanuel Vondermuhll,
Karl Louis von Krug,
Harold Lorenzo Walton,
James Richmond Wardrop,
Harold Arthur Watres,
Myron Lowenstein Weil,
Ralph Wentworth,
Edgar Lee West,
Howell North White,
Stephen French Whitman,
Robert Young Williams,
Stanley Williamson,
Edwin Bird Wilson,
Emory J. Wilson,
Herbert Richardson Wooden,
John Yates,
Frank Le Roy Young,
Wellington George Young.

Thomas Helm, as of the Class of 1861.
John H. Odeneal, as of the Class of 1861.

ELECTRICAL ENGINEERS (*E. E.*) . . . . 4

Keith Donaldson,
B. S., Princeton, 1899.

Lew Russell Palmer,
B. S., Princeton, 1898.

Chester Griswold, Jr.,
B. S., Princeton, 1899.

John Reilly, Jr.,
C. E., Princeton, 1898; M. S., 1899.

BACHELORS OF SCIENCE (*B. S.*) . . . . 47

Benjamin Akin,
William Arthur Babson,
Arthur Henry Bates,
Gordon Taylor Beaham,
Richard Lawrence Benson,
Eric Leonard Bergland,
Paul Brokaw,
Alfred De Forest Childs,
Edgar Yuengling Clausen,
James Johnson Coale, Jr.,
Wilford Seymour Conrow,
Harry Halsey Cook,
George Johnes Cooke,
Alvah Boyd Cornell,
Everett Lake Crawford,
David Turner Dana,
Lynford McCall Dickinson,
Samuel Ward Dodd,
John Nelson Euwer,
Thomas Walker Fisher,
Henry Foster Spaulding Frazer,
Carl Knott Fried,
Arthur William Harris,
Gaylord Roscoe Hawkins,
Claude Silbert Hudson,
Malcolm Sidney Huey,
Robert Donnell Larabie,
Clarence Roscoe Lee,
George William Marque Maier,
Addison Graham Marr,
Charles Gledhill Meinken,
John Ralston Pierson,
Stephen Haines Plum, Jr.,
Roland Goodwin Porter,
P Clinton Pumyea,
Robert Hinsdale Rice,
George Dickson Richards,
Bert Ripley,
Thomas Kirkbride Sturdevant,
Charles Raymond Swain,
James Burns Taylor, Jr.,
Irving Wilson Voorhees,
Elting Fowler Warner, Jr.,
John Louis Wellington,
Harry Thomas Willis,
George William Yuengling,
Alexander Nisbet Turnbull, Jr., of the class of 1900.

CIVIL ENGINEERS (*C. E.*) . . . . 14

George Henry Vail Allen,
Paul Tulane Bruyere,
Walter Guy Gamble,
Charles Le Boutillier Homer,
John Mifflin Hood, Jr.,
Phineas Jones,
Austin Leake, Jr.,
Louis O'Neill Mellinger,
Hugh Miller,
George F W Poggenburg,
Ralph Milton Stauffen,
Frederick Hutchinson Cubberley, as of the class o 891.
Lewis Charles Kleinhans, as of the class of 1900.
William Dodd Willigerod, as o the class of 1900.

# HONORS—1900–1901.

## COMMENCEMENT HONORS FOR GENERAL EXCELLENCE.

### ACADEMIC SENIOR HONORMEN.—FIRST GROUP.

*A. B., Magna cum laude.*

W. L. Breckenridge,
R. B. Elmore,
E. Glassmeyer, *Latin Salutatory*,
W. E. Hope, *Valedictory*,
H. R. Omwake,
G. M. Russell.

### SECOND GROUP—*A. B., Cum laude.*

A. H. Adams,
L. J. Bachenheimer,
J. L. Baldwin,
A. G. Bartholomew,
G. H. Boynton, Jr.,
L. R. Brokaw,
J. E. Crane,
J. R. Crawford,
C. E. S. Dietz,
R. S. Donaldson,
M. O. Edwards,
O. F. Gardner,
P. M. Goodwin,
C. S. Gray,
M. L. Harding,
E. Headley,
F. P. Hiner,
W. M. Howell,
F. L. Janeway,
B. D. Johnson,
S. T. D. Jones,
C. S. Judd,
G. W. Kelly,
C. A. McClure,
J. K. Mackie,
A. D. Merrick,
W. C. Meyers,
F. D. Miller,
W. B. Mount,
W. F. Petty,
H. R. Wooden.
R. F. Pitcairn,
H. M. Reeve,
C. R. Robbins,
J. L. Rogers,
H. A. Smith,
R. W. Sutton,
R. F. Swigart,
J. B. Taylor,
B. R. Terhune,
M. L. Weil,
R. Wentworth,
E. L. West,
H. N. White,
R. Y. Williams,
E. J. Wilson,

### THIRD GROUP—*A. B.*

C. S. Batt,
H. Carter,
H. G. Dechant,
W. K. Dwight,
A. F. Eastman,
C. H. Hanlin,
R. H. Hatfield,
L. E. Katzenbach,
C. S. Lawton,
A. M. Miller,
R. B. Petty, Jr.,
G. E. Rose,
E. B. Wilson.
R. S. Steen,
R. P. Swofford,
K. L. von Krug,
J. R. Wardrop,
H. A. Watres,
S. Williamson,

## School of Science, Senior Honormen.

First Group—*B. S., Magna cum laude.*

G. W. M. Maier.

Second Group—*B. S., Cum laude.*

| | | |
|---|---|---|
| G. T. Beaham, | W. S. Conrow, | P. C. Pumyea, |
| R. L. Benson, | H. F. S. Fraser, | G. D. Richards, |
| Paul Brokaw, | C. S. Hudson, | T. K. Sturdevant. |

*C. E., Cum laude.*

J. M. Hood. Jr., L. O'N. Mellinger.

Third Group—*B. S.*,

| | | |
|---|---|---|
| W. A. Babson, | E. L. Bergland, | H. H. Cook, |
| A. H. Bates, | A. D. Childs, | L. M. Dickinson, |
| | T. W. Fisher. | |

*C. E.*,

| | | |
|---|---|---|
| P. T. Bruyere, | Hugh Miller, | R. M. Stauffen. |

## Academic Senior Special Honors.

Philosophy. *High Honors.*—C. S. Gray, M. L. Harding.

History, Jurisprudence, and Politics. *High Honors* — C. S. Judd, G. W. Kelly. *Honors* — W. E. Hope, R. W. Sutton, Ralph Wentworth.

Classics. *High Honors* — Edward Glassmeyer, H. R. Omwake, C. R. Robbins, B. R. Terhune. *Honors*—J. B. Taylor, H. N. White.

Mathematics, with Physical Science. *High Honors* — W. L. Breckenridge. *Honors*—H. G. Dechant.

Physical Science. *High Honors*, G. M. Russell, E. J. Wilson. *Honors*—B. D. Johnson.

Natural Science. *High Honors*—A. M. Miller.

## Fellows.

(For names of Fellows see page 33.)

## Senior Prizemen.

Alexander Guthrie McCosh Prize.

Charles S. Gray.

LYNDE PRIZE DEBATE.

*First*, W. A. Babson,
*Second*, F. W. Fort,
*Third*, W. E. Hope.

LYNDE DEBATERS.

| *From the American Whig Society.* | *From the Cliosophic Society.* |
|---|---|
| W. A. Babson, | F. W. Fort, |
| R. S. Steen, | W. E. Hope, |
| R. W. Sutton. | T. L. Thompson. |

BAIRD PRIZEMEN.

Baird Prize, R. P. Swofford.
Oratory, W. A. Babson.
Delivery, W. E. Hope.
Poetry, R. S. Thompson.
Disputation, *First*, R. Steen.
*Second*, F. W. Fort.

CLASS OF 1859 PRIZE IN ENGLISH LITERATURE.

A. G. Bartholomew.

GEORGE POTTS BIBLE PRIZES.

*First*, H. M. Reeve,
*Second*, L. E. Katzenbach.

LYMAN H. ATWATER PRIZE IN POLITICAL SCIENCE.

Not awarded.

FREDERICK BARNARD WHITE PRIZE IN ARCHITECTURE.

W. S. Conrow, with honorable mention of J. R. Crawford.

THEODORE CUYLER PRIZE IN ECONOMICS.

B. D. Johnson.

CLASS OF 1869 PRIZE IN ETHICS.

M. L. Harding.

THE NEW YORK HERALD PRIZE.

W. E. Hope.

CLASS OF 1876 MEMORIAL PRIZE FOR DEBATE.

R. S. Steen.

## JUNIOR PRIZEMEN.

JUNIOR FIRST HONOR SCHOLAR.

Harry Frank Stambaugh.

MACLEAN PRIZE.

Bond Houser.

JUNIOR ORATOR MEDALS.

*First*, B. Houser.
*Second*, R. T. Mount.
*Third*, E. H. Kellogg.
*Fourth*, R. T. Parrott.

COMPETING JUNIOR ORATORS.

| *From the American Whig Society.* | *From the Cliosophic Society.* |
|---|---|
| B. Houser, | W. E. Evans, |
| E. H. Kellogg, | E. H. Johnson, |
| W. T. MacIntyre, | R. T. Mount, |
| S. van R. Trowbridge. | R. T. Parrott. |

DICKINSON PRIZE.

H. F. Stambaugh.

THOMAS B. WANAMAKER ENGLISH PRIZE.

C. F. Reed, with honorable mention of E. N. Teall.

CLASS OF 1870 JUNIOR ENGLISH PRIZES.

*Anglo-Saxon*, F. R. Whitman, with honorable mention of C. F. Reed and A. J. Pilgram.

*English Literature*, E. H. Kellogg, with honorable mention of F. R. Whitman.

JUNIOR GERMAN PRIZES.

*First*, E. N. Teall.

*Second*, A. J. Pilgrim.

## ACADEMIC JUNIOR HONORMEN.

*First Group.*

| | | |
|---|---|---|
| R. W. Anthony, | D. B. Pfeiffer, | Fletcher Swain, |
| Bond Houser, | H. D. Simpson, | F. R. Whitman, |
| E. H. Kellogg, | H. F. Stambaugh, | R. G. Wright. |

*Second Group.*

| | | |
|---|---|---|
| A. S. Alexander, | L. H. Cooke, | W. E. Evans, |
| J. W. Alexander, | Alexander Corson, | B. Q. Hendricks, |
| R. G. Brush, | D. D. Dayton, | W. P. Howe, |
| S. M. Cady, | P. T. Defrees, | Sylvan Hutton, |
| Charles Campbell, | J. H. Dodd, | E. H. Johnson, |
| R. L. Cecil, | Richard Ely, | R. J. Leibenderfer, |
| A. K. Condit, | C. M. Erdman, | F. P. McDermott, Jr., |

Rex Mackenzie, O. T. Mallery, C. D. Meier, C. M. Merwin, R. T. Mount, C. P. Outhwaite, Walter Phillips, A. J. Pilgram, E. C. Poole, H. K. Post, C. F. Reed, S. C. Reed, J. E. Semmes, Jr., C. S. Sincerbeaux, M. D. Thompson, S. v. R. Trowbridge, H. A. True, A. H. Waterhouse, G. A. Wharton, G. H. White, Jr.

## Junior Honormen, School of Science.

*First Group, B. S. Course*, Alexander Black.
*First Group, C. E. Course*, E. C. Luther.

*Second Group, B. S. Course.*

W. M. Alrich, G. G. Applegate, S. G. Babson, J. M. Bonsall, H. R. Bunton, H. A. Hauxhurst, C. A. Lambie, C. P. Suderley, W. P. Vail, P. B. Wallace, C. A. Whitehouse.

*Second Group, C. E. Course.*

F. F. Schellenberg, G. W. Schusler.

## Sophomore Prizemen.

CLASS OF 1861 PRIZE.

H. G. Leach.

FRANCIS BIDDLE SOPHOMORE ENGLISH PRIZE.

W. P. Hamilton, with honorable mention of G. H. Beal.

CLASS OF 1870 SOPHOMORE ENGLISH PRIZE.

P. P. Hibben and C. C. Hewitt.

STINNECKE SCHOLAR.

E. H. Kellogg.

## Academic Sophomore Special Honors.

GREEK. *High Honors*—R. C. Eckhardt, B. E. Messler, E. W. Scudder. *Honors*—W. G. Barr, G. H. Nevius, G. T. Scott, G. C. Wharton.

LATIN. *High Honors*—G. F. Close, H. W. Hopkins, C. Howell, H. G. Leach, B. E. Messler, A. B. Reeve, F. Smith. *Honors*—S. A. Anders, A. Roche, Jr., H. C. Schweikert, W. A. Wilson.

MATHEMATICS. *High Honors*—K. T. Frederick, H. G. Leach, F. Smith. *Honors*—M. M. Hiltebeitel, J. O. Merwin, H. C. Rentschler, T. L. Thomas.

## ACADEMIC SOPHOMORE HONORMEN.

*First Group.*

| | |
|---|---|
| G. F. Close, | School of the Lackawanna, Scranton, Pa. |
| H. R. Decker, | High School, Montclair, N. J. |
| Corwin Howell, | Newark Academy, Newark, N. J. |
| A. B. Reeve, | High School, Brooklyn, N. Y. |
| Frank Smith, | Perkiomen Seminary, Pennsburg, Pa. |

*Second Group.*

| | |
|---|---|
| C. H. Adams, | University School, Cleveland, O. |
| S. A. Anders, | Perkiomen Seminary, Pennsburg, Pa. |
| R. P. Anderson, | High School, Bloomfield, N. J. |
| S. H. Armstrong, | Drisler School, New York City. |
| W. G. Barr, | Newark Academy, Newark, N. J. |
| M. C. Decker, | Northwestern University, Evanston, Ill. |
| W. P. Hamilton, | School for Boys, Englewood, N. J. |
| W. F. Hollenbach, | Perkiomen Seminary, Pennsburg, Pa. |
| H. W. Hopkins, | High School, Montclair, N. J. |
| Floyd Hurlbut, | Syracuse University. |
| H. G. Leach, | Classical High School, Worcester, Mass. |
| J. O. Merwin, | Central High School Washington, D. C. |
| B. E. Messler, | State Model School, Trenton, N. J. |
| R. E. Rearick, | Chambersburg Academy, Chambersburg, Pa. |
| R. B. Reed, | High School, Clearfield, Pa. |
| H. C. Schweikert, | High School, Bernville, Pa. |
| W. A. Sipe, Jr., | Western University of Pa. |
| H. B. Stewart, | High School, Harrisburg, Pa. |
| W. A. Wagemaker, | Hope College Preparatory School. |
| H. C. Weaver, | Bellefonte Academy, Bellefonte, Pa. |
| G. C. Wharton, | High School, Omaha, Neb. |

## SOPHOMORE HONORMEN, SCHOOL OF SCIENCE.

*B. S. Course—First Group.*

| | |
|---|---|
| H. V. Guile, | Staten Island Academy. |

*Second Group.*

| | |
|---|---|
| C. E. Allison, | Phillips Exeter Academy. |
| L. T. Beale, | Haverford College Grammar School. |

*C. E. Course—Second Group.*

| | |
|---|---|
| R. E. Anderson, | State Model School, Trenton, N. J |
| C. L. Doe, | Trinity School, New York City. |
| A. P. Robinson, | State Normal School, Cortland, N. Y. |
| George Wilcox, | State Normal School, Edinboro, Pa. |

## Academic Freshman Honormen.

*First Group.*

| | |
|---|---|
| D. G. Barr, | Free Academy, Newburgh, N. Y. |
| T. F. Carter, | High School, Montclair, N. J. |
| M. D. Cole, | Newark Academy, Newark, N. J. |
| M. J. Cook, | Perkiomen Seminary, Pennsburg, Pa. |

*Second Group.*

| | |
|---|---|
| G. C. Alderfer, | Perkiomen Seminary, Pennsburg, Pa. |
| E. M. Armstrong, | High School, Hagerstown, Md. |
| D. V. Ashley, | High School, Binghamton, N. Y. |
| D. M. Austin, | High School, Vineland, N. J. |
| L. G. Bissell, | Blair Hall, Blairstown, N. J. |
| Robert Brokaw, | High School, St. Louis, Mo. |
| J. N. Carter, | Newark Academy, Newark, N. J. |
| J. H. Cecil, | Pantops Academy. |
| W. A. Clark, | High School, Flushing, N. Y. |
| D. J. S. Day, | Harry Hillman Academy, Wilkes-Barre, Pa. |
| D. W. Edwards, | Central High School, St. Paul, Minn. |
| W. L. Hartman, | Perkiomen Seminary, Pennsburg, Pa. |
| P. H. Henry, | School of the Lackawanna, Scranton, Pa. |
| G. S. Hornblower, | Lawrenceville. |
| F. W. Jackson, | Collegiate School, New York City. |
| Albert Jagger, | High School, Southampton, N. Y. |
| F. H. Krecker, | Episcopal Academy, Philadelphia. |
| J. B. Lichtenberger, | High School, Steelton, Pa. |
| E. W. Lindsey, | St. Paul's School, Concord, N. H. |
| P. J. G. Miller, | High School, Mansfield Ohio. |
| G. M. Moffitt, | Shattuck School, Faribault, Minn. |
| P. A. Moore, | High School, New Castle, Pa. |
| S. L. Moore, | High School, St. Louis, Mo. |
| E. B. Morrow, | High School, Harrisburg, Pa. |
| P. W. Pfuhl, | High School, Harrisburg, Pa. |
| B. M. Price, | Shady Side Academy, Pittsburgh, Pa. |
| T. H. Sammis, | High School, Huntington, N. Y. |
| R. D. Stevens, | Wyoming Seminary, Kingston, Pa. |

| | |
|---|---|
| G. A. Vondermuhll, | Lawrenceville. |
| Otto Wolff, Jr., | Friends' School, Philadelphia. |
| William Woods, | Temple College, Philadelphia. |

## FRESHMAN HONORMEN, SCHOOL OF SCIENCE.

*First Group—B. S. Course.*

| | |
|---|---|
| J. M. Buchanan, | State Model School, Trenton, N. J. |
| W. E. Hague, | Pittsburgh Academy. |
| T. E. Hardenbergh, Jr., | Collegiate School, New York City. |
| W. D. Williams, | West Nottingham Academy, Colora, Md. |

*First Group—C. E. Course.*

| | |
|---|---|
| W. B. Ahrens, | Boys' High School, Reading, Pa. |
| N. R. McLure. | |
| H. M. Merrick, Jr., | The Hill School, Pottstown, Pa. |

*Second Group—B. S. Course.*

| | |
|---|---|
| G. C. Bakewell, | Blair Hall, Blairstown, N. J. |
| J. M. Bowyer, | High School, Erie, Pa. |
| Joseph Chapman, | Mr. Philip H. Goepp, Philadelphia. |
| W. B. Cosgrave, | Shady Side Academy, Pittsburgh, Pa. |
| S. S. Decker, Jr., | Cook Academy, Montour Falls, N. Y. |
| Henry Frankel, | West Des Moines High School. |
| E. W. Miller, | Morgan Park Academy. |
| E. D. Nevin, | Shady Side Academy. |
| H. M. Wilcox, | Shady Side Academy. |

*Second Group—C. E. Course.*

| | |
|---|---|
| F. S. McIlvaine, | Lawrenceville. |
| A. M. Ogle, Jr., | Indianapolis Academy. |
| N. G. Roosevelt, | St. Paul's School, Concord, N. H. |
| F. C. Smith, | High School, Saugerties, N. Y. |

## SPECIAL STUDENT HONORMEN, SCHOOL OF SCIENCE.

*First Group.*

| | |
|---|---|
| Joseph Casper, | J. J. Forstall. |

*Second Group.*

| | |
|---|---|
| T. N. Bunting, | J. C. Long. |

## FRESHMAN ENTRANCE PRIZE, JUNE, 1901.

Alumni Prize in New York—Charles Christopher Mierow.

# PART VII.

## ALUMNI ASSOCIATIONS.
## LISTS OF STUDENTS.
## DIRECTORY AND INDEX.

# ALUMNI ASSOCIATIONS.

ALUMNI ASSOCIATION OF NASSAU HALL.—Founded 1826.

*President*, James W. Alexander, A.M., '60.
*Secretary*, Professor Henry C. Cameron, Ph.D., D.D., '47.

The Alumni Meeting is held in University Hall on Tuesday of Commencement Week at 1.30 P. M., when the Alumni Dinner is served.

WESTERN ASSOCIATION OF PRINCETON CLUBS.

*President*, Thomas D. Jones, Esq., '76.
*Secretary and Treasurer*, W. H. Forsythe, Esq., '88,
85 Ohio St., Chicago.

PRINCETON CLUB OF NEW YORK.—Founded 1866.
72 East 34th St.

*President*, C. C. Cuyler, Esq., '79.
*Secretary*, T. F. Humphrey, Esq., '94, 16 William St.

PRINCETON ALUMNI ASSOCIATION OF PHILADELPHIA.
Founded 1868.

*President*, Hon. Craig Biddle, '41.
*Secretary*, L. Irving Reichner, Esq., '94, 1417 Walnut St.

PRINCETON CLUB OF PHILADELPHIA.—Chartered 1898.

*President*, Alexander Van Rensselaer, Esq., '71.
*Secretary*, L. Irving Reichner, Esq., '94.

PRINCETON ALUMNI ASSOCIATION OF THE DISTRICT OF COLUMBIA AND SOUTHERN STATES.—Founded 1872.

*President*, James W. Johnston, Esq., '70.
*Secretary*, Wallace D. McLean, Esq., '96,
416 5th St., N. W., Washington.

PRINCETON CLUB OF WESTERN PENNSYLVANIA.—Founded 1875.

*President*, Hon. Nathaniel Ewing, '69.
*Secretary*, W. I. Seymour, Esq., '94, Park Building, Pittsburgh.

PRINCETON ALUMNI ASSOCIATION OF CINCINNATI.
Founded 1875.

*President*, W. Cooper Proctor, Esq., '83.
*Secretary*, Eugene B. Price, Esq., '90, Clifton.

PRINCETON CLUB OF CHICAGO.—Founded 1876.

*President*, William B. McIlvaine, Esq., '85.
*Secretary and Treasurer*, James W. Thorne, Esq., '00.
115 Michigan Ave.

PRINCETON CLUB OF ST. LOUIS.—Founded 1876.

*President*, John D. Davis, Esq., '72.
*Secretary*, Joseph W. Lewis, Esq., '90, 421 Olive St.

PRINCETON ALUMNI ASSOCIATION OF OMAHA.—Founded 1884.

*President*, Leonidas P. Funkhouser, M.D., '78.
*Secretary*, Thomas Creigh, Esq., '94, 836–7 N. Y. Life Bld'g.

PRINCETON ALUMNI ASSOCIATION OF LOUISVILLE.
Founded 1884.

*President*, ——— ———
*Secretary*, John W. Barr, Jr., Esq., '85, Evans Block.

CENTRAL PENNSYLVANIA ALUMNI ASSOCIATION OF PRINCETON UNIVERSITY.—Founded 1885.

*President*, Charles H. Bergner, Esq., '74.
*Secretary*, W. H. Musser, Esq., '96, 215 N. Second St., Harrisburg.

PRINCETON ALUMNI ASSOCIATION OF MARYLAND.
Founded 1885.

*President*, John M. T. Finney, M.D., '84.
*Sccretary*, W. G. Wilson, Esq., '94, 822 Park Ave., Baltimore.

PRINCETON CLUB OF TRENTON.—Founded 1886.

*President*, Hon. Frank S. Katzenbach, Jr., '89.
*Secretary*, W. M. Dickinson, Esq., '97.

PRINCETON ALUMNI ASSOCIATION OF THE NEW NORTHWEST.
Founded 1886.

*President*, Rev. James D. Paxton, D.D., '80, St. Paul.
*Secretary*, John P. Hall, Esq., '97, 1820 Portland Ave., Minneapolis

PRINCETON ALUMNI ASSOCIATION OF NORTHEASTERN PENNSYLVANIA.
Founded 1886.

*President*, Benjamin F. Dorrance, Esq., '68, Wilkes Barre.
*Secretary*, Edwin Shortz, Jr., Esq., '97, Wilkes Barre.

PRINCETON ALUMNI ASSOCIATION OF NORTHERN OHIO.—Founded 1887.

*President*, J. Potter, Esq., '77.
*Secretary*, O. W. Upson, Esq., '95, 163 River St., Cleveland.

PRINCETON CLUB OF NEWARK.—Founded 1894.

*President*, Philip N. Jackson, Esq., '81.
*Secretary*, James B. Burnett, Jr., Esq., '94, 16 Chestnut St.

PRINCETON CLUB OF ALBANY.—Founded 1889.

*President*, Rev. Charles A. Richmond, '83.
*Secretary*, Andrew Thompson, Esq., '99, 53 Lake Ave.

PRINCETON ALUMNI ASSOCIATION OF DELAWARE.—Founded 1892.

*President*, Hon. William C. Spruance, '52.
*Secretary*, W. H. Porter, Esq., '75, Equitable Building, Wilmington.

PRINCETON ALUMNI ASSOCIATION OF CENTRAL NEW YORK.
Founded 1894.

*President*, Professor John Van Duyn, M.D., '62.
*Secretary*, A. D. Jenney, Esq., '94, 809 O. C. S. Bank Building, Syracuse.

PRINCETON CLUB OF WESTERN NEW YORK.—Founded 1894.

*President*, George V. Forman, Esq., '61.
*Secretary*, Henry W. Fox, Esq., 24 West Seneca St., Buffalo.
*Secretary*, Rev. G. B. F. Hallock, D.D., '82,
10 Livingston Park, Rochester.

PRINCETON CLUB OF THE SOUTHWEST.—Founded 1895.

*President*, Frank Simpson, Esq., '82.
*Secretary*, John H. Thacher, Esq., '95, Kansas City, Mo.

PRINCETON CLUB OF UNION CO., NEW JERSEY.—Founded 1896.

*President*, Hon. W. J. Magie, '52.
*Secretary*, ——— ———.

ROCKY MOUNTAIN PRINCETON CLUB.—Founded 1894.

*President*, Dr. William S. Ward, '69.
*Secretary*, F. S. Titsworth, Esq., '93, 1025 Pearl St., Denver.

PRINCETON ALUMNI ASSOCIATION OF NEW ENGLAND.—Founded 1897.

*President*, Rev. John L. Withrow, D.D., '60.
*Secretary*, F. L. Coolidge, Esq., '84, 112 Water St., Boston, Mass.

PRINCETON ALUMNI ASSOCIATION OF TEXAS.—Founded 1897.

*President*, Professor George Bruce Halsted, Ph.D., '75.
*Secretary*, W. Goodrich Jones, Esq., '83, Temple, Texas.

PRINCETON ALUMNI ASSOCIATION OF ERIE.—Founded 1897.

*President*, William Spencer, Esq., '70.
*Secretary*, Frank H. Payne, Esq., '91.

PRINCETON ALUMNI ASSOCIATION OF INDIANA.—Founded 1898.

*President*, George T. Porter, Esq., '69.
*Secretary*, Theodore Potter, M.D., '82, 18 E. Ohio St., Indianapolis.

PRINCETON ALUMNI ASSOCIATION OF SOUTH AFRICA.
Founded 1898.

*President*, Rev. F. M. Wood, '58.
*Secretary*, George W. Lyon, Esq., '96,
Box 433, Port Elizabeth, Cape Colony.

PRINCETON CLUB OF CEDAR RAPIDS, IOWA.—Founded 1901.

*President*, Rev. E. R. Burkhalter, '62.
*Secretary and Treasurer*, Archer C. Sinclair, '98

# STUDENTS OF THE UNIVERSITY.

## GRADUATE STUDENTS.

| | | |
|---|---|---|
| Augur, Walter Baker, | St. Paul, Minn., | 103 H S |
| A.B., Macalester College, 1899. | | |
| Baldwin, Harmon Octavius, | Princeton, N. J., | 37 S E |
| A.B., University of Rochester, 1899. | | |
| Barnhill, Oliver Paul, | LaGrange, Ky., | 117 H S |
| A.B., Centre College, 1900. | | |
| Beale, Wilson Thomas Moore, | Philadelphia, | 403 H S |
| A.B., Princeton, 1899. | | |
| Blair, Robert Andrew, | Belfast, Ireland. | 33 B S |
| A.B., Geneva College, 1901. | | |
| Blair, Herbert Edgar, | Salina, Kansas, | 305 H S |
| A.B., Park College, 1901. | | |
| Bogart, Marston Taylor, | New York City. | |
| A.B., Columbia, 1890; Ph.B., 1894. | | |
| Boggs, Henry Alfred, | Philadelphia, | 403 H S |
| A.B., Princeton, 1899. | | |
| Bowlby, Harry Laity, | Asbury, N. J., | 10 N H |
| A.B., Princeton, 1901. | | |
| Brewer, Wesley Corwin, | Vinton, Iowa, | 77 B S |
| A.B., Coe College, 1900. | | |
| Brooks, John Milton, | Cleveland, O., | 2 W W |
| A.B., Princeton, 1889; A.M., 1891. | | |
| Brooks, William Elizabeth, | Philadelphia, | 415 H S |
| B.L., Westminster College, 1900. | | |
| Burslem, George, | Baltimore, Md., | 27 A S |
| A.B., French American College, 1900. | | |
| Campbell, Walter Jenkins, | New York City, | 101 H S |
| A.B., Princeton, 1899. | | |

Carmichael, Donald Stewart, Calumet, Mich., 34 A S
A.B., Alma College, 1901.

Cochran, Peyton, Staunton, Va., H Univ. Hall
A.B., Hampden Sidney College, 1901.

Crane, William S., Princeton, N. J., 7 Chestnut St.
Princeton Theological Seminary, 1896.

Demaree, Victor Barr, Franklin, Ind., 406 H S
A.B., Hanover College, 1900.

Devilbiss, Roger Buckey, Walkersville, Md., 6 Chestnut St.
A.B., Western Maryland College, 1901.

Dobson, Dean Newton, Limestone, Tenn., 59 B S
A.B., Washington College, 1901.

Dodd, Albert Baldwin, Greenwood, Mo., 203 H S
A.B., Westminster College, 1898.

Doltz, Paul, Minneapolis, Minn., 27 A S
A.B., Macalester College, 1899.

Douglass, Earl, Medford, Minn., 27 S Ed
B.S., Iowa State College, 1893; M.S., University of Montana, 1899.

Dunning, John Corliss, Plaquemine, La., Lawrenceville
Ph.B., Cornell, 1896; Ph.M., 1898; A.M., Princeton, 1899.

Edge, Walter Warren, Union, S. C., 46 B S
A.B., Presbyterian College of South Carolina, 1899.

Erdman, Walter Collins, Germantown, Pa., 13 A S
A.B., Princeton, 1899.

Ferrell, Dudley Hays, Morning Sun, Ia., 15 A S
A.B., Tarkio, 1899.

Fisher, Alzo John, Ackley, Ia., 29 A S
A.B., Coe College, 1899.

Fisher, Hubert Frederick, Moss Point, Miss., 31 B
A.B., University of Mississippi, 1898; A. M., Princeton, 1901.

Fogel, Philip Howard, Fogelsville, Pa., 27 William St.
A.B., Ursinus College, 1901.

Forsythe, Henry Hazlett, Pittsburgh, Pa., 401 H S
A.B., Western Univ. of Pa., 1898.

Frank, Adam Garfield, Topeka, Kan., 150 Alexander St.
A.B., Washburn College, 1901.

Gerhard, Elmer Schultz, Palm, Pa., 16 S Ed
A.B., Princeton, 1900; A.M., 1901.

Giffen, Bruce Johnson, Cairo, Egypt, 415 H S
A.B., Erskine College, 1897; A.M., Princeton, 1899.

Glassmeyer, Edward, Reading, Pa., 10 W M W
A.B., Princeton, 1901.

Griswold, Latta, Princeton, N. J., 22 Dickinson St.
A.B., Princeton, 1901.

Guy, Thomas Rogers, Honey Brook, Pa., 300 H S
A.B., Lafayette, 1898.

Hallquest, Alfred Lawrence, Brooklyn, N. Y., 409 H S
A.B., Augustana College, 1900.

Handy, Sidney Speiden, Pocomoke, Md., Hightstown, N. J.
A.B., Richmond College, 1901.

Harding, Merritt Lynde, Plainsville, Pa., 27 S Ed
A.B., Princeton, 1901.

Hare, David Henry, Viola, Kan., 17 A S
A.B., College of Emporia, 1899.

Hata, Shohkichi, Yamaguchi, Japan, 14 A S
A.B., Wabash, 1899.

Helm, Nathan Wilbur, North Manchester, Ind., 13 L
A.B., De Pauw University, 1899; A.M., Princeton, 1901.

Hickok, Ralph Kiddoo, Wooster, Ohio, 21 A S
A.B., Wooster, 1899.

Hillis, Lewis Bradley, Atchison, Kas., 29 B S
A.B., Emporia College, 1899.

Hiltebeitel, Adam Miller, Green Lane, Pa., 6 S M R
A.B., Princeton, 1900; A.M., 1901.

Howerton, George Monroe, Greenville, S. C., 35 B S
A.B., Furman University, 1900.

Hudson, Claude Silbert, Mobile, Ala., 156 Nassau St.
B.S., Princeton, 1901.

Huffer, Samuel Wilbur, Muncie, Ind., 215 H S
A.B., Hanover College, 1900.

Isett, William Clement, Pittsburgh, Pa., 308 H S
A.B., Lafayette College, 1901.

James, Joseph Eakens, York Station, Ala., 317 H S
A.B., Oxford (Ala.), 1898.

Janeway, Frank Latimer II., New Brunswick, N. J.,
A.B., Princeton, 1901. Murray–Dodge Hall

Jessup, Willard Parker, Middletown, N. Y., Princeton Inn
A.B., Princeton, 1897.

Johnson, William Brower, Royersford, Pa., 213 H S
A.B., Ursinus, 1898.

Judd, Clark Silliman, Thomaston, N. Y., 14 N D
A.B., Princeton, 1901.

Katzenbach, Edward Lawrence, Trenton, N. J., 6 S D
A.B., Princeton, 1900; A.M., 1901.

Kellogg, Oliver Dimon, Vineland, N. J., Berlin
A.B., Princeton, 1899; A.M., 1900.

Kilworth, William Washington, Emporia, Kas., 16 Chambers St.
Ph.B., College of Emporia, 1901.

Kreager, Frank Sidle, Delaware, O., 28 A S
A.B., Ohio Wesleyan University, 1899.

Landsborough, John Robert, Park River, N. D., 67 B S
A.B., Macalester College, 1900.

Laughlin, Thomas Cowden, Barnesvillle, O., 10 Dickinson St.
A.B., Princeton, 1892; A.M., 1895. S.T.B., Princeton Seminary, 1897. D.B., Harvard, 1898.

Leetch, Robert Graham, Washington, D. C., 309 H S
A.B., Lafayette, 1900.

Little, Halsted, Morristown, N. J., Colonial Club
A.B., Princeton, 1901.

McAfee, James Clarke, Port Royal, Pa., 9 N Ed
A.B., Princeton, 1901.

McBath, Walker Eugene, Washington, D. C., 310 H S
A.B., University of Tennessee, 1898.

McCartney, Albert Joseph, Beaver Falls, Pa., 39 A S
B.L., University of Wisconsin, 1900.

McClenahan, Howard, Princeton, N. J., 12 Bank St.
E.E., Princeton, 1895; M.S., 1897.

McClenahan, John Wallace, Allegheny City, Pa., 73 B S
A.B., Tarkio College, 1895.

McCollough, Beatty Zentz, Kirkville, Ia., 405 H S
A.B., University of Michigan, 1900.

McCreery, John Brower, Detroit, Mich., 44 A S
A.B., University of Michigan, 1897.

McDowell, Samuel, Maltby, Pa., 17 B S
A.B., Princeton, 1900.

McIntire, Charles Curtis, Washington, Pa., 315 H S
A.B., Park College, 1901.

McWilliams, Edward Charles, Princeton, N. J., 23 Edwards Place
B.S., Princeton, 1899.

Mackie, John Kirkwood, Portland, Ore., 13 Nassau Hall
A.B., Princeton, 1901.

Maier, George William Marque, Avoca, Ia., 38 S E
B.S., Princeton, 1901.

Markarian, Hagop, Tarsus, Turkey in Asia, 31 B S
A.B., Lafayette, 1901.

Matthews, Carl Stanley, Winnsboro, S. C., 25 B S
A.B., Davidson College, 1895; A.M., 1900.

Miller, Adam Marion, Homewood, Pa., 43 Univ. Hall
A.B., Princeton, 1901.

Mitchell, Thomas William, Cuba City, Wis., 59 B S
A.B., University of Wisconsin, 1899.

Morehead, James Caddall, Wytheville, Va., 7 N Ed
A.B., Roanoke College, 1898; A.M., 1899. M.S., Princeton, 1900.

Morrill, Guy Louis, Wollaston, Mass., 107 H S
Massachusetts Institute of Technology.

Murray, Walter Rue, Chinan Fu, China, 110 H S
A.B., University of Wooster, 1899.

Neibel, Charles Lewis, Dayton, Ohio, 208 A S
A.B., Princeton, 1900.

Norris, Herschel Augustus, Wilmington, Del.
A.B., Princeton, 1897; A.M., 1898.

Omwake, Howard Rufus, Beirut
A.B., Princeton, 1901.

Paist, Benjamin Franklin, Jr., Cornwells, Pa., 201 H S
A.B., Ursinus College, 1899.

Phelps, William George, Nova, Ohio, 13 L
A.B., Oberlin College, 1897.

Poor, John Merrill, West Newbury, Mass., 27 William St.
A.B., Dartmouth, 1897.

Preston, John Fairman, Greenville, S. C., 35 B S
A.B., Furman University, 1898.

Purcell, Jonathan Wesley, Nevada, Mo., 18½ Charlton St.
A.B., Kansas Normal College, 1897.

Rath, Charles Edward, Ackley, Ia., 113 H S
A.B., Lake Forest, 1900.

Rendall, Hugh Watson, Lincoln University, 109 H S
A.B., Lincoln University, 1900.

Ridgway, Richard Frederic Lot, Cream Ridge, N. J., 11 Blair
A.B., Princeton, 1898.

Roberts, Harry Baldwin, Ironton, Ohio, 34 B S
A.B., Centre College, 1900.

Robinson, Harold McAfee, White Bear, Minn., 40 A S
A.B., Park College, 1901.

Russell, George Jeffrey, Montclair, N. J., 32 A S
A.B., Princeton, 1899; A.M., 1901.

Russell, Gordon MacGregor, Oyster Bay, N. Y.,
A.B., Princeton, 1901. 79 Alexander St.

Russell, Samuel Burnside, Mallerstown, Annalong, Co. Down, Ireland,
Queen's College, Assembly's College, Belfast.

Scott, Charles Ernest, Alma, Mich., 411 H S
A.B., Alma College, 1898; A.M., University of Pennsylvania, 1899.

Searight, Henry Brown, Hendersonville, Tenn., Sem
A.B., S. W. Presbyterian University, 1898.

Shaffer, Herbert E., Princeton, N. J., 36 Nassau St.
A.B., Princeton, 1901.

Sidebotham, Charles Wesley, Parma, Mich., 22 A S
A.B., Alma College, 1901.

Sill, Herbert Fowler, Princeton, N. J., 15 Chambers St.
B.S., Princeton, 1894; M.S., 1896.

Simmons, Frank Erdman, Chicago, 24 A S
A.B., Yale, 1899.

Smith, Charles Jacob, Strasburg, Va., 14 Chambers St.
A.B., Roanoke College, 1901.
Stark, George Shippen, Baltimore, Md., 301 H S
A.B., Lincoln University, 1899.
Thomas, John R., Wild Rose, Wis., 209 H S
A.B., Ripon College, 1901.
Thompson, David Alpheus, St. Paul, Minn., 37 A S
A.B., Macalester College, 1900.
Topping, William Hayes, St. Louis, Mo., 65 B S
A.B., Hanover College, 1901.
Triplett, John Edwin, Jr., Duffields, W. Va., 57 B S
A.B., Hampden Sidney College, 1900.
Van Nuys, Ezra Allen, Franklin, Ind., 111 H S
A.B., Franklin College, 1900.
Verkuyl, Gerrit, New Vennep, Holland, 21 B S
A.B., Park College, 1901.
Whallon, Walter Lowrie, Wyoming, Ohio, 215 H S
A.B., Hanover College, 1899.
White, Howell North, Walton, N. Y., 14 N D
A.B., Princeton, 1901.
Wortman, Elmer Clark, Grove City, Pa., 11 Alexander St.
A.B., Grove City College, 1894.
Yerkes, Carroll Harvey, Berwyn, Pa., 308 H S
A.B., Lafayette College, 1901.
Young, Archer Everett, West Hartford, Conn., 16 N Ed
A.B., Wesleyan University, 1898.

GRADUATE STUDENTS . . . . . 117

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## ACADEMIC SENIOR CLASS.

Abbott, Munro Lorenzo, Zanesville, O., 46 L
Adams, Newton, Summit, N. J., 11 L
Adsit, Henry, Hornellsville, N. Y., 51 B
Aikin, William Patton, Milnersville, O., 32 Mercer St.
Alexander, Archibald Stevens, Hoboken, N. J., 5 W M W
Alexander, James Waddell, Dansville, N. Y., 13 S M R

| | | |
|---|---|---|
| Anewalt, Edward Franklin, | Allentown, Pa., | 4 W M W |
| Anthony, Robert Warren, | Watertown, N. Y., | 8 S M R |
| Bailie, Thomas Sampson, | McKeesport, Pa., | 71 L |
| Banning, Waldo Harmon, | Morristown, N. J., | 172 Nassau St. |
| Barnhart, Frank Pierce, | Johnstown, Pa, | 3 S W |
| Barron, Alexander Johnston, | Pittsburgh, Pa., | 11 N D |
| Bergner, William Sponsler, | Harrisburg, Pa., | 11 L |
| Boyd, Albert Barnes, | Lansdowne, Pa., | 4 S W |
| Bradley, Charles Hamilton, | Washington, D. C., | 66 L |
| Bright, Stanley, | Pottsville, Pa., | 4 B |
| Brokaw, George Tuttle, | New York City, | 8 E W |
| Brush, Ray Gould, | Huntington, N. Y., | 23 William St. |
| Buchanan, Charles McCay, | Baltimore, Md., | 14 L |
| Cady, Schuyler Merritt, | Summit, N. J., | 10 N R |
| Camp, Charles Wadsworth, | Crosswicks, N. J., | 2 E B |
| Campbell, Charles, | Pittsburgh, Pa., | 51 L |
| Candor, John Grafius, | Williamsport, Pa., | 38 L |
| Carman, Travers Denton, | New York City, | 31 L |
| Carney, Philip Wildes, | Portland, Me., | 6 W W |
| Carrott, Orville Browning, | Quincy, Ill., | 5 E B |
| Carson, Horace Compton, | Denver, Col., | 94 B |
| Cass, Charles Anderson, | Tyrone, Pa., | 15 L |
| Cecil, Russell La Fayette, | Richmond, Va., | 9 E B |
| Chisholm, Andre Tozier, | Cleveland, O., | 7 U |
| Clapp, Frank Wheaton, | Port Deposit, Md., | 72 L |
| Coleman, Alexander Westcott, | Newburgh, N. Y., | 21 L |
| Condit, Albert Kitchel, | West Orange, N. J., | 10 N R |
| Cooke, Louis Herbert, | Hackettstown, N. J., | 21 L |
| Cooper, John Fawcett, | Bellevue, Pa., | 12 E B |
| Corson, Alexander, | Princeton, N. J., | 38 Wiggins St. |
| Cunningham, Thomas Davis, | Blairsville, Pa., | 19 W W |
| Curran, Guernsey, | New York City, | 35 L |
| Dayton, David Draper, | Worthington, Minn., | 8 S E B |
| Defrees, Paul Thornedyke, | Bellefontaine, O., | 12 N M R |
| Dodd, Jasper Hewlett, | Newark, N. J., | 6 N R |
| Dusenbury, William Addison, | Portville, N. Y., | 26 M D |
| Ely, Richard, | New York City, | 20 W W |
| Erdman, Carl Morris, | Morristown, N. J., | 2 S D |

| | | |
|---|---|---|
| Evans, Walter Ewing, | New Stanton, Pa., | 8 S M R |
| Fowler, Etting Alexander, | Caledonia, N. Y., | E, E B |
| Franklin, Charles Montanye, | Hightstown, N. J., | 9 E B |
| Gephart, Wallace Hays, | Bellefonte, Pa., | 18 W W |
| Gordon, Robert Calvin, | Waynesboro, Pa., | 26 M D |
| Graham, David Barned, | Chicago, Ill., | 5 E M W |
| Guernsey, Edwin Warren, | Scranton, Pa., | 8 S W |
| Hale, Titus, | Princeton, N. J., | Mercer Heights |
| Hardman, Charles Barnes, | Clintonville, Ky., | 8 S W |
| Hendricks, Blythe Quimby, | Indianapolis, Ind., | 15 N D |
| Henley, John Charles, Jr., | Birmingham, Ala., | 15 N D |
| Herron, David Campbell, | Monongahela, Pa., | 19 M D |
| Hill, Frederick, | Allegheny, Pa., | 12 S M R |
| Hilliard, Isaac | Louisville, Ky., | 3 S E B |
| Hoes, John Paul, | Lambertville, N. J., | 12 W W |
| Houser, Bond, | Troy, O., | 2 W M W |
| Howe, William Proddow, | Roselle, N. J., | 8 S E B |
| Hunt, James Booth, | Greenwich, N. J., | 23 L |
| Hutton, Sylvan, | Lewisberry, Pa., | 7 N R |
| Ives, Warren Livingston, | St. Peter, Minn., | 39 S Ed |
| Ivins, George Gillespie, | Little Silver, N. J., | 2 S M R |
| Johnson, Edgar Hare, | South Bend, Ind., | 1 B |
| Johnson, Louis Elliot, | Asbury Park, N. J., | 6 S W |
| Kafer, Lester Scott, | Trenton, N. J., | 64 L |
| Kellogg, Edwin Henry, | Sewickley, Pa., | 51 L |
| Kent, Herbert Derrick, | Paterson, N. J., | B, W B |
| Krechting, Wilhelm Edmund | Harmon, New Germantown, N. J., | 4 N M R |
| Lane, Charles Frederick, | Duncannon, Pa., | 12 S D |
| Leibenderfer, Ralph John, | Dayton, O., | 1 N Ed |
| Lyon, Edward Crane, Jr., | Morristown, N. J., | 1 S R |
| McAlpin, David Hunter, 2nd, | Ossining, N. Y., | 35 U |
| McCracken, Charles Dowden, | Newark, N. J., | 11 E B |
| McCreery, William Hart, | Allegheny, Pa., | 16 S M R |
| McDermott, Franklin Pierce, Jr., | Freehold, N. J., | 15 N M R |
| McDonald, Howard, | McDonald, O., | 32 Mercer St. |
| McElroy, Paul Irvine, | Winchester, Ky., | 11 N |
| McIntosh, John Oswald, | Germantown, Pa., | 98 B |

| | | | |
|---|---|---|---|
| Mackenzie, Rex, | Chicago, Ill., | 10 | N M R |
| MacMurray, John Van Antwerp, | Albany, N. Y., | 36 | Wiggins St. |
| Mallery, Otto Tod, | Philadelphia, Pa., | 6 | S W B |
| Martin, Ivan Gochnauer, | Liberty Square, Pa., | 15 | N M R |
| Mathews, James Francis, | New York City, | 5 | E B |
| Maynard, James, Jr., | Knoxville, Tenn., | 5 | N W |
| Meier, Arthur Ernst, | St. Louis, Mo., | 64 | L |
| Meier, Chauncey DeWitt, | Cleveland, O., | 172 | Nassau St. |
| Meigs, John Forsyth, | Philadelphia, Pa., | 11 | L P |
| Merwin, Charles Merrill, | Washington, D. C., | 12 | S W |
| Moore, Philip Augustus, | Bayonne, N. J., | 9 | M D |
| Morrison, Willis Irwin, | Pittsburgh, Pa., | 62 | L |
| Morse, William Otis, | New York City, | 6 | S E B |
| Mount, Russell Theodore, | East Orange, N. J., | 3 | S E B |
| Mulock, Edwin McCord, | DuBois, Pa., | 5 | B |
| Munson, William Cooper, | Findlay, O., | 10 | N Ed |
| Norris, Percival Chandler, | Princeton, N. J., | 8 | N Ed |
| Ogden, Montgomery, | Orange, N. J., | 3 | L P |
| Outhwaite, Charles Peabody, | Columbus, O., | 2 | N W |
| Parrot, Raymond Townley, | Elizabeth, N. J., | 34 | B |
| Parson, Frederick Stanley, | New York City, | 10 | S D |
| Pell, Henry Williamson, | Brooklyn, N. Y., | 10 | S D |
| Pfeiffer, Damon Beckett, | Williamstown, N. J., | 21 | L |
| Phillips, Walter, | Alexandria, Pa., | 44 | L |
| Pilgram, Arthur Julian, | Pottsville, Pa., | 7 | N W |
| Poe, Gresham Hough, | Baltimore, Md., | 5 | W M W |
| Poole, Ernest Cook, | Chicago, Ill., | 6 | S W B |
| Post, Henry Kirk, | Irvington, N. J., | F, | W B |
| Priest, George Thomas, | St. Louis, Mo., | 10 | W M W |
| Purvis, George Harold, | Butler, Pa., | 9 | W M W |
| Reed, Charles Frederic, | Brogueville, Pa., | 30 | S Ed |
| Reed, Samuel Clarke, | Pittsburgh, Pa., | 18 | U P |
| Reynolds, Adna Harrison, | Jamestown, N. Y., | 9 | W M W |
| Reynolds, Arthur Willson, | Newtown, Conn., | 1 | N D |
| Robinson, Andrew Leonard, | Allegheny, Pa., | 36 | L |
| Robinson, William Andrew, Jr., | Pittsburgh, Pa., | 11 | L |
| Root, Winfred Trexler, | York, Pa., | 19 | W W |
| Roper, William Winston, | Philadelphia, Pa., | 20 | S W |

| | | |
|---|---|---|
| Rupley, George Alleman, | Mercersburg, Pa., | 7 N R |
| Sammis, Jesse Fleet, | Huntington, N. Y., | 20 W W |
| Savage, Joseph Knebel, | New York City, | 94 Mercer St |
| Schaeffer, Joseph Henry, | Baltimore, Md., | 2 N R |
| Schauffler, Edward William, | New Rochelle, N. Y., | 23 L |
| Schauffler, Robert Haven, | Cleveland, O., | 20 M D |
| Schmidt, Max, | Chicago, Ill., | 18 Van Deventer Av. |
| Scott, George Walter, | Asbury Park, N. J., | 1 E B |
| Semmes, John Edward, Jr., | Baltimore, Md., | 2 S D |
| Sheffield, Roscoe Rexford, | Hobart, N. Y., | 4 S R |
| Shepard, Frederick Newton, | South Orange, N. J., | 15 U P |
| Simpson, Herbert Downs, | Mt. Pleasant, Pa., | 17 S M R |
| Sims, John Green, Jr., | Wartrace, Tenn., | 36 Wiggins St. |
| Sincerbeaux, Charles Silas, | Moravia, N. Y., | 8 S R |
| Smith, Charles Chapman, | Philadelphia, Pa., | 40 U |
| Snedeker, Leonard Nicholson, | Brooklyn, N. Y., | 16 L |
| Stambaugh, Harry Frank, | Harrisburg, Pa., | 1 N W |
| Streubel, Clarence Emmanuel, | East Orange, N. J., | 2 S M R |
| Stryker, Samuel Stanhope, Jr., | Philadelphia, Pa., | 68 L |
| Studdiford, Douglas Seabrook, | Lambertville, N. J., | 12 W W |
| Swain, Fletcher, | West Somerville, Mass., | 4 N M R |
| Taylor, George Hooper, Jr., | Denver, Colo., | 8 W M W |
| Teall, Edward Nelson, | Bloomfield, N. J., | 15 S M R |
| Thompson, Merle Dow, | Elmira, N. Y., | 1 E M W |
| Troth, Edward Osborne, | Germantown, Pa., | 68 L |
| Trowbridge, Stephen van Rensselaer, | Constantinople, | 72 L |
| True, Henry Ayer, | Marion, O., | 72 L |
| Truesdell, Edward Delavan, | Brooklyn, N. Y., | 34 B |
| Unger, Oswald Josephus, | Mercersburg, Pa., | 2 W M W |
| Vail, Charles Edward, | Newark, N. J., | 34 B |
| Vermilye, Robert Montgomery, | New York City, | 7 N W |
| Voorhees, Howard Crosby, | New Brunswick, N. J., | 36 L |
| Ward, Warren Ray, | Hackettstown, N. J., | F, W B |
| Waterhouse, Alfred Herbert, | Pasadena, Cal., | 10 N Ed |
| Wharton, Gerald Ainslie, | Omaha, Neb., | 9 S E B |
| White, George Howard, Jr., | Catonsville, Md., | 14 L |
| Whitman, Frederick Raymond, | Islip, N. Y., | 8 S R |
| Wills, Charles Sinclair, | Greenwich, Conn., | 12 M D |

| | | |
|---|---|---|
| Wilson, Hugh Irvine, | Philadelphia, Pa., | 66 L |
| Woltmann, Henry Ramon, | Plainfield, N. J., | D, U |
| Worcester, Leonard, | Burlington, Vt., | 19 N W |
| Wright, Raymond Garfield, | Lebanon, O., | A, E B |
| Young, Stuart Adams, | Newark, N. J., | 2 N D |

ACADEMIC SENIORS . . . . . 162

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## ACADEMIC JUNIOR CLASS.

| | | |
|---|---|---|
| Adams, Cyrus Hall, Jr., | Chicago, Ill., | 86 Nassau St. |
| Alexander, Frederick, | New York City, | 3 L P |
| Ameli, Howard Wilmurt, | Brooklyn, N. Y., | 5 W B |
| Anders, Samuel Anders, | Kulpsville, Pa., | 12 N D |
| Anderson, Robert Patton, | Bloomfield, N. J., | 14 S M R |
| Andrews, Chase, Jr., | Pittsburgh, Pa., | 72 B |
| Andrews, Holroyd, | Newark, N. J., | 15 U P |
| Armstrong, John Gassaway, | Hagerstown, Md., | 5 S W B |
| Armstrong, Sinclair Howard, | New York City, | 9 L P |
| Barnes, Roderic Barbour, | New York City, | 52 L |
| Barr, William Giffin, | Orange, N. J., | 71 B |
| Barton, Stanley Alfred, | Hazleton, Pa., | 54 L |
| Baylis, William, Jr., | New York City, | 8 L P |
| Beal, George Hamilton, | Clarinda, Ia., | 7 S R |
| Beury, Charles Ezra, | Philadelphia, Pa., | 6 E B |
| Bingham, David Stuart, | East Orange, N. J., | 15 S D |
| Blakeman, William Hildreth, | Mt. Vernon, N. Y., | 9 E M W |
| Boyd, James Walter, | Youngstown, O., | 3 E M W |
| Brownlee, James Day, Jr., | Indiana, Pa., | 6 E B |
| Candee, Robert, | Evanston, Ill., | 7 S W |
| Carr, Shirley Niles, | Montclair, N. J., | 7 E W |
| Cassidy, James Porter, | Pittsburgh, Pa., | 12 W B |
| Chamberlin, Ward Bryan, Jr., | New York City, | 44 B |
| Cheney, George Harold Perry, | East Orange, N. J., | 5 M D |
| Childress, Avent, | Nashville, Tenn., | 52 L |
| Close, Gilbert Fairchild, | Dunmore, Pa., | 10 S W |
| Conrad, James Sprague, | Wilkinsburg, Pa., | 15 B |
| Coolbaugh, Kenneth McPherson, | Easton, Pa., | 83 Prospect Av. |

| | | |
|---|---|---|
| Couch, George Stribling, Jr., | Charleston, W. Va., | 14 B |
| Dana, John Swift, | Charleston, W. Va., | 81 B |
| Daniel, Leroy Landis, | Harrisburgh, Pa., | 12 S Ed |
| Darrow, Charles Whitney, | Geneva, N. Y., | 19 S W |
| Dear, Arthur Tyrrell, | Jersey City, N. J., | 97 B |
| Decker, Harry Ryerson, | Montclair, N. J., | 53 L |
| Detwiler, William Sanderson, | Columbia, Pa., | 21 B |
| Donald, Norman Henderson, | New Brighton, N. Y., | 9 B |
| Dugro, Charles Horatio, | New York City, | 4 B |
| Eckhardt, Remick Carpenter, | Troy, N. Y., | 15 E W |
| Faber, Gustavus William, | Plainfield, N. J., | 9 S R |
| Fairbanks, Frederick Cole, | Indianapolis, Ind., | 83 Prospect Av. |
| Finney, John Clark, | Churchville, Md., | 14 N M R |
| Franklin, Sheldon, | East Orange, N. J., | 83 B |
| Fraser, McIntyre, | Johnstown, N. Y., | 43 L |
| Frederick, Karl Telford, | Oberlin, O., | 13 B |
| Freeman, Halstead Gurnee, | Chicago, Ill., | 92 B |
| Garbrick, Clarence Arthur, | Bellefonte, Pa., | 1 S M R |
| Garretson, Leland Beekman, | Morristown, N. J., | 23 U P |
| Gilchrist, Robert Wilds, | Lebanon, O., | 5 W B |
| Green, Franklin Brandreth, | Princeton, N. J., | 75 Prospect Av. |
| Griswold, LeGrand Cannon, | New York City, | A, B |
| Hack, Otto Anthony, | Vincennes, Ind., | 6 W B |
| Hall, Charles Waite, | New York City, | 3 E M W |
| Hamlin, Lot Myrick Morrill, | Washington, D. C., | 4 E B |
| Hankinson, John Henry, | New York City, | 6 N W |
| Havens, Edgar Herbert, | Toms River, N. J., | 9 E W |
| Hawley, Philip Elijah, | Detroit, Mich., | 98 B |
| Herr, William Dougal, | Jersey City, N. J., | 13 N Ed |
| Hewitt, Charles Conrad, | Trenton, N. J., | 12 U |
| Hibben, Paxton Pattison, | Indianapolis, Ind., | 9 S W B |
| Hiltebeitel, Morris Miller, | Green Lane, Pa., | 5 S M R |
| Hollenbach, Walter Franklin, | Durham, Pa., | 40 S Ed |
| Hopkins, Herbert Webb, | Montclair, N. J., | 25 S Ed |
| House, James Henry Brower, | Houston, Tex., | 2 E B |
| Howell, Archibald Alexander, | Philadelphia, Pa., | 1 N D |
| Howell, Corwin, | Newark, N. J., | 7 S R |
| Hull, Arthur Stanley, | Scranton, Pa., | 4 N R |

| | | |
|---|---|---|
| Hurlbut, Floyd, | Arkport, N. Y., | 1 S M R |
| Huston, Henry William, | Newton, N. J., | 1 S R |
| Imbrie, Charles K., | Bryn Mawr, Pa., | 14 E W |
| Ireland, John, | Johnstown, N. Y., | 22 B |
| Janeway, William Richard, | New Brighton, N. Y., | 13 N W |
| Kays, Henry Thomas, | Newton, N. J., | 12 W B |
| Keeney, Cadwell Benson, | Elizabeth, N. J., | 16 B |
| Kilby, Ralph Lawrence, | Carthage, N. Y., | 6 N D |
| Knox, Edward Prentiss, | Point Pleasant, N. J., | 5 N M R |
| Layton, Louis William, | Newton, N. J., | 41 B |
| Leach, Henry Goddard, | Worcester, Mass., | 20 N W |
| Leftwich, Vivian Clark, | Baltimore, Md., | 15 W W |
| Little, Frank Hoyt, | Sussex, N. J., | 13 B |
| Loucks, Edwin Miller, | York, Pa., | 95 B |
| MacDonald, John James, | New Bedford, Mass., | 10 S M R |
| MacIntyre, William Teall, | Hudson, N. Y., | 31 L |
| McNamara, Robert Charles, | Rome, N. Y., | 19 S W |
| McPheeters, Thomas S., Jr., | St. Louis, Mo., | 5 U P |
| Mason, Jerome Dudley, | Baltimore, Md., | 2 M D |
| Meigs, Arthur Ingersoll, | Philadelphia, Pa., | 11 L P |
| Merwin, John Oliphant, | Washington, D. C., | 12 S W |
| Messler, Benjamin Edmund, | Trenton, N. J., | 12 U |
| Miller, James Roberts, | Pittsburgh, Pa., | 3 N D |
| Mixsell, Raymond Boileau, | Easton, Pa., | 9 S W B |
| Moffitt, George Reily, | Harrisburg, Pa., | 5 B |
| Nevius, George Harold, | Glen Ridge, N. J., | 13 N W |
| Newell, William Augustus, | Mt. Holly, N. J., | 81 B |
| Ober, Gustavus, Jr., | Baltimore, Md., | A, B |
| Odell, Edward Albert, | Hernwood, Md., | 2 N R |
| Parry, James McCosh, | Wilkinsburg, Pa., | 41 B |
| Pate, William Schuyler, | Brooklyn, N. Y., | 8 E M W |
| Pierson, Ellis Lynford, | Trenton, N. J., | 14 B |
| Plunkett, Thomas Fitzpatrick, | Pittsfield, Mass., | 92 B |
| Porter, Willard Hall, Jr., | Wilmington, Del., | 74 B |
| Rearick, Ralph Erskine, | Chambersburg, Pa., | 5 E W |
| Reed, Robert B., | Clearfield, Pa., | 10 S W |
| Reeve, Arthur Benjamin, | Brooklyn, N. Y., | 7 S R |
| Reeves, Charles Banes, | Baltimore, Md., | 9 B |

| | | |
|---|---|---|
| Rentschler, Harvey Clayton, | Hamburg, Pa., | 15 N Ed |
| Richardson, Charles Spencer, Jr., | Little Falls, N. Y., | 9 Park St. |
| Roche, August, Jr., | East Orange, N. J., | 71 B |
| Rogers, Daniel Miner, | New Britain, Conn., | 16 S W |
| Rose, Don, | Sewickley, Pa., | 3 W W |
| Roys, William Bacon, | Madison, Wis., | 22 B |
| Schenck, Norman Craig, | Holmdel, N. J., | 42 L |
| Schultz, Albert Bigelow, | Pittsburgh, Pa., | 3 N D |
| Schweikert, Harry Christian, | Bernville, Pa., | 2 N Ed |
| Scott, Garfield, | Germantown, Pa., | 62 B |
| Scott, George Tressler, | Ottawa, Ill., | 52 L |
| Scudder, Edward Wallace, | Newark, N. J., | 7 S E B |
| Sellers, Walter Foote, | Fort Crook, Neb., | 9 S E B |
| Shafer, George Carlton, | Montrose, Pa., | 4 N R |
| Singer, Robert Williams, | Connellsville, Pa., | 83 Prospect Av. |
| Sipe, William Allen, Jr., | Pittsburgh, Pa., | 5 N D |
| Slee, Jay Fletcher, | Elmira, N. Y., | 61 L |
| Smith, Albridge Clinton, Jr., | Orange, N. J., | 5 M D |
| Smith, Charles Carroll, | Elmer, N. J., | 5 W W |
| Smith, Frank, | Fricks, Pa., | 1 S Ed |
| Steen, John Ewing, | Philadelphia, Pa., | 3 S W B |
| Stewart, Harris Bates, | Auburn, N. Y., | 9 N W |
| Stratton, Paul, | Trenton, N. J., | 2 E M W |
| Stuart, Joseph, | New York City, | 6 W W |
| Talley, William Leslie, | Nashville, Tenn., | 11 W B |
| Taylor, Malcolm Slicer, | Beverly, N. J., | 11 W B |
| Thomas, Thomas Lewis, | Dunellen, N. J., | 18 N W |
| Todd, William Balch, Jr., | Washington, D. C., | 7 U P |
| Tompkins, Walter Knapp, | Weyers, O., | 15 N Ed |
| Townsend, Charles, Jr., | Elizabeth, N. J., | 16 B |
| Van Tries, William Potter, | Bellefonte, Pa., | 2 N R |
| Vogelsang, Erwin, | Brooklyn, N. Y., | 8 W B |
| Wabeke, John Martin, | Pekin, Ill., | 8 S R |
| Walk, Albert Donald, | Jeddo, Pa., | 54 L |
| Walker, James Henry, | Montclair, N. J., | 15 S D |
| Walker, Otis Lawrence, | Glens Falls, N. Y., | 5 N R |
| Wallace, John Hankins, Jr., | Washington, Pa., | 41 B |
| Watkins, Gardiner, | East Orange, N. J., | 5 E B |

| | | |
|---|---|---|
| Weaver, Harry Calvin, | Bellefonte, Pa., | 10 N K |
| Welling, John Paul, | Chicago, Ill., | 86 Nassau St. |
| Wettlaufer, Ernst Clark, | New York City, | 4 W M W |
| Wharton, Glenn Carlton, | Omaha, Neb., | 9 S E B |
| Wheeler, Charles Osborne, | Newark, N. J., | 3 E B |
| Wiehle, Alvin Louis Virgil, | Washington, D. C., | 7 W B |
| Wilson, Mark Douglas, | Cumberland, Md., | 38 L |
| Wilson, William Arnot, | Pittsburgh, Pa., | 97 B |
| Wood, Charles Montgomery, | Chambersburg, Pa., | 11 M D |
| Wright, Franklin Loch, | Norristown, Pa., | 3 S W B |
| Wright, Harry Hall, | Imlaystown, N. J., | 7 S M R |
| Young, Gayle Lafon, | Newark, N. J., | 2 N D |
| Young, Henry George Weston, | Vineland, N. J., | 1 S D |
| Young, Robert Spencer, | Matawan, N. J., | 42 L |

ACADEMIC JUNIORS . . . . . 156

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## ACADEMIC SOPHOMORE CLASS.

| | | |
|---|---|---|
| Adaire, Alexander, 3rd, | Philadelphia, Pa., | 14 S D |
| Adams, Francis, Jr., | Chicago, Ill., | 17 E W |
| Alderfer, George Clemens, | Harleysville, Pa., | 4 N D |
| Andrews, Henry Barclay, | Greenwich, Conn., | 79 U |
| Angus, John Cathie, | Andover, Mass., | 5 S R |
| Arms, George Wells, Jr., | Princeton, N. J., | 21 Dickinson St. |
| Armstrong, Edward McPherson, | Hagerstown, Md., | 5 S W B |
| Armstrong, William Campbell, | New York City, | 9 L P |
| Ashley, Douglas Vanaman, | Binghamton, N. Y., | 10 S W B |
| Atwater, Edward Sanford, Jr., | Elizabeth, N. J., | 76 U |
| Austin, David Marshal, | Vineland, N. J., | 37 N Ed |
| Baker, Harold Peters, | White Haven, Pa., | V U |
| Baker, John Whitney, | Plainfield, N. J., | 13 N D |
| Banigan, Louis, | Paterson, N. J., | O, U |
| Barkley, Earl Conwell, | Detroit, Mich., | 12 N W |
| Barr, David Griffin, | Newburgh, N. Y., | 32 N Ed |
| Barron, Edward Taylor, | Pittsburgh, Pa., | 74 B |
| Bates, Charles Thomas, | Reading, Pa., | 64 U |
| Batten, Joseph Zane, | Brooklyn, N. Y., | 2 Nassau St. |

| | | |
|---|---|---|
| Bispham, George Tucker, Jr., | Philadelphia, Pa., | 112 Nassau St. |
| Bissell, Louis Garner, | Brooklyn, N. Y., | 3 N Ed |
| Bogert, Clarence, | Demarest, N. J., | 73 U |
| Boggs, Norman Towar, | East Orange, N. J., | 73 U |
| Booth, Samuel Belden, | Danbury, Conn., | E, E B |
| Bours, William Alsop, Jr., | Jacksonville, Fla., | 17 N W |
| Bowers, Wesley Creveling, | Washington, N. J., | 11 N W |
| Boyd, Julian Thruston, | Cumberland, Md., | 14 S D |
| Bradley, Howard Milton, | Bloomfield, N. J., | 8 N M R |
| Brokaw, Roberts, | St. Louis, Mo., | 84 B |
| Bulkley, Henry Daggett, | East Orange, N. J., | 46 U |
| Burdick, Charles Kellogg, | New York City, | 195 Nassau St. |
| Burkam, Robert Gilmore, | Cincinnati, O., | 9 B |
| Burrell, Edward Lewis, | Chicago, Ill., | 5 E M W |
| Burtis, Charles Bernacki, | Englewood, N. J., | 2 S W |
| Butkiewicz, Thomas Alexander, | Nanticoke, Pa., | 138 Nassau St. |
| Butler, Edward Harshberger, | Tacoma, Wash., | 35 S Ed |
| Buyers, William Buchanan, | Honey Brook, Pa., | 10 N |
| Carter, Joseph Nelson, | Newark, N. J., | 14 N W |
| Carter, Thomas Francis, | Montclair, N. J., | C, E B |
| Cecil, John Howe, | Richmond, Va., | 2 Nassau St. |
| Chambers, Robert Newton, | Sherburne, N. Y., | 31 S Ed |
| Christie, John Watson, | Allegheny, Pa., | 14 M D |
| Churchman, Charles Rumford, | Wilmington, Del., | 11 S W |
| Clark, Harry F., | Port Chester, N. Y., | 2 E W |
| Clark, William Augustus, | Flushing, N. Y., | 9 N R |
| Clark, Warren Durant, | St. Louis, Mo., | 40 Nassau St. |
| Cole, Melton Douglas, | East Orange, N. J., | 10 W W |
| Colwell, James Irving, | Warwick, N. Y., | 33 B |
| Cook, Joseph Wright, | Pottstown, Pa., | 15 S W |
| Cook, Melvin Jesse | Aspers, Pa., | 28 N Ed |
| Corkran, Lloyd Griffith, | Baltimore, Md., | 21 M D |
| Corson, Allen, | Princeton, N. J., | 38 Wiggins St. |
| Crampton, Guy Chester, | Mobile, Ala., | 40 Wiggins St. |
| Crary, Roy Palmer, | Cincinnati, O., | 136 Nassau St. |
| Crocker, Robert Stewart, | New York City, | 9 W W |
| Daugherty, Ray, | Harrisburg, Pa., | 11 N M R |
| Day, Daniel Jackson Stewart, | Luzerne, Pa., | 18 S M R |

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|---|---|---|
| DeWitt, John Riegel, | Riegelsville, Pa., | 82 B |
| Diefenderfer, Alan Lewis, | Orwigsburg, Pa., | 25 M D |
| Doane, Benjamin Van Duesan, | Elmira, N. Y., | 4 S Ed |
| Duff, James Henderson, | Carnegie, Pa., | K, U |
| Duffield, George Barry, | Princeton, N. J., | 45 Nassau St. |
| Dulles, James Bateman, | Philadelphia, Pa., | G, U |
| Edwards, Dwight Woodbridge, | St. Paul, Minn., | 3 N Ed |
| Ewing, William Kennedy, | Uniontown, Pa., | 15 B |
| Fellows, Edward Percy, | Summit, N. J., | C, E B |
| Fornance, Joseph Knox, | Norristown, Pa., | 10 S W B |
| Fox, Carl Louis, | Pittsburgh, Pa., | C, U |
| Frelinghuysen, Peter Hood Ballantine, | Morristown, N. J., | 7 L P |
| Garrison, Carlyle, | Merchantville, N. J., | 5 S R |
| Gibby, Harold James, | Princeton, N. J., | 194 Nassau St. |
| Graham, Evarts Ambrose, | Chicago, Ill., | 5 E M W |
| Griggs, Clarence Joseph, | Monroeton, Pa., | 9 S M R |
| Hagar, Frederick Kimball, | Germantown, Pa., | 67 U |
| Harby, Ralph Dean, | Walton, N. Y., | E, U |
| Hartman, Winfield Leinbach, | West Leesport, Pa., | 28 N Ed |
| Hazlehurst, Andrew, Jr., | Evanston, Ill., | 138 Nassau St. |
| Heard, John Jay, | Pittsburgh, Pa., | 13 M D |
| Helm, Thomas Leathers, | Covington, Ky., | 138 Nassau St. |
| Hench, Samuel Ross, | Harrisburg, Pa., | 21 B |
| Henry, Howard Houston, | Germantown, Pa., | 13 S W |
| Henry, Percy Harrington, | Scranton, Pa., | 14 S W |
| Henson, Horace Brereton, | Chattanooga, Tenn., | 7 S W B |
| Hirt, William Elmer, | Erie, Pa., | 11 N W |
| Hoff, Robert Bushong, | Reading, Pa., | 22 M D |
| Holden, John, | Newark, N. J., | 30 U |
| Holzhauer, Charles William, | Newark, N. J., | 30 U |
| Hornblower, George Sandford, | New York City, | 10 U P |
| Hornblower, Lewis Woodruff, | New York City, | 11 U P |
| Hosack, Joseph Kerr, | Carnegie, Pa., | K, U |
| Jackson, Frederick Weidemeyer, | New York City, | P, U |
| Jagger, Albert, | Southampton, N. Y., | 14 S W |
| Janeway, Lucius Porter, | New Brunswick, N. J., | 4 S E B |
| Justis, John Albert, | Cincinnati, O., | 138 Nassau St. |
| Kahler, Hugh MacNair, | Buffalo, N. Y., | 3 N R |

| | | |
|---|---|---|
| Katzenbach, Welling Sickel, | Trenton, N. J., | 60 U |
| Keith, John Slack, | Newtown, Pa., | 36 N Ed |
| Kenley, Perry Hoge, | Chicago, Ill., | 66 Nassau St. |
| Kennedy, David Dickey, | Pittsburgh, Pa., | 45 U |
| Krecker, Frederick Hartzler, | East Orange, N. J., | 11 S M R |
| Laidlaw, Robert Remsen, | New York City, | 2 Nassau St. |
| Lantz, Philip Hoffman, | Mt. Vernon, N. Y., | 9 E M W |
| Lee, John Lorton, | Carmel, N. Y., | R, U |
| Lewisohn, Samuel Adolph, | New York City, | 7 W W |
| Lichtenberger, James Buchanan, | Highspire, Pa., | 22 N Ed |
| Lindholm, Clifford Falstrom, | Passaic, N. J., | O, U |
| Lindsey, Evans Willson, | Richmond, Va., | 16 Van Deventer Av. |
| Lloyd, James Paul, | Philadelphia, Pa., | T, U |
| Lynn, Edgar Allan, | New York City, | 2 Nassau St. |
| MacCauley, Harvey, | Trenton, N. J., | 3 N R |
| McCoy, William Milton, | East Orange, N. J., | 114 Nassau St. |
| McKelvy, Francis Graham, | Pittsburgh, Pa., | 11 E W |
| McLaury, Forrest Hadley, | Marksboro, N. J., | 24 N Ed |
| MacLeod, Fraser Laughlin, | Chicopee Falls, Mass., | 16 Witherspoon St. |
| Madden, Francis Larkin, | Ossining, N. Y., | 33 U |
| Magie, James McCosh, | Princeton, N. J., | 33 Prospect Av. |
| Matteson, James Lynn, | Scranton, Pa., | 12 N W |
| Miller, Fred Clinton, | Walton, N. Y., | E, U |
| Miller, Paul James Golden, | Brick Church, Pa., | 11 S M R |
| Mills, Herbert Lawrence, | New York City, | 195 Nassau St. |
| Moffett, George Monroe, | New York City, | 54 B |
| Moore, Phillips Alexander, | New Castle, Pa., | 3 W W |
| Moore, Sydney Luard, | St. Louis, Mo., | 10 S R |
| Morrow, Emerson Boyd, | Harrisburg, Pa., | 9 N W |
| Myers, David Rupp, | York, Pa., | 24 Chambers St. |
| Newman, Harry Ellsworth, | Lakewood, N. J., | 16 Witherspoon St. |
| Ottenheimer, Archie Morton, | Peoria, Ill., | 134 Nassau St. |
| Peake, Howard Dever, | Yonkers, N. Y., | 13 N D |
| Pell, Richard Varick, | New York City, | 195 Nassau St. |
| Peters, Edward Heath, | Newark, N. J., | 5 S W B |
| Pfuhl, Paul William, | Harrisburg, Pa., | 11 N M R |
| Phillips, George Irwin, | Alexandria, Pa., | 44 L |

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|---|---|---|
| Pogue, Samuel Franklin, | Cincinnati, O., | 40 Nassau St. |
| Poole, Abram, Jr., | Chicago, Ill., | 10 L P |
| Pratt, Arthur Deudney, | Brooklyn, N. Y., | 42 U |
| Pratt, Alexander Dallas Bache, | New York City, | 7 L P |
| Price, Benjamin Marsden, | Oakmont, Pa., | 2 Nassau St. |
| Pyne, Percy Rivington, 2nd, | New York City, | 2 U P |
| Randall, Edmund Brown, | Paterson, N. J., | 4 M D |
| Ream, Robert Clark, | Chicago, Ill., | 29 U P |
| Reed, Clarence Howett, | Philadelphia, Pa., | 76 U |
| Reed, Robert Rush, | Du Bois, Pa., | 76 U |
| Reynolds, Oliver Charlick, | New York City, | 16 Van Deventer Av. |
| Richardson, Russell, | Brooklyn, N. Y., | A, U |
| Riggs, Ernest Wilson, | Marsovan, Turkey-in-Asia, | Dodge Hall |
| Riley, Armin William, | New York City, | 42 U |
| Rinehart, Ernest Robert, | Indianapolis, Ind., | 1 N M R |
| Robert, Christopher Dyer, | Brooklyn, N. Y., | 60 U |
| Rogers, Lawrence Harrison, | Trenton, N. J., | 11 N W |
| Root, Stanley William, | Princeton, N. J., | 8 Murray Pl. |
| Russell, Alexander, | Oyster Bay, N. Y., | 79 Alexander St. |
| Sabine, Samuel Scheffelin, | New York City, | 9 W B |
| Sammis, Theron Herbert, | Huntington, N. Y., | C, U |
| Satterwhite, Benjamin Offutt, | Louisville, Ky., | 2 Nassau St. |
| Savage, Henry Holcombe, | Trenton, N. J., | 134 Nassau St. |
| Scarborough, James Isaac, | Newport, Ark., | 10 W B |
| Schultz, Walter Scott, | Jersey City, N. J., | 134 Nassau St. |
| Scott, Arthur Pearson, | Chicago, Ill., | 17 E W |
| Seely, Floyd, | Chester, N. Y., | 2 Nassau St. |
| Shaw, William Arnot, | Colora, Md., | N, U |
| Shearer, Conway Wing, | New York City, | R, U |
| Sheldon, Bayard, | Summit, N. J., | 14 U |
| Shoemaker, Joseph Clark, | Bridgeton, N. J., | 134 Nassau St. |
| Sill, Walter George, | East Orange, N. J., | 88 Nassau St. |
| Sinclair, William, | Pulteneytown, Scotland, | 38 Washington St. |
| Sloane, Francis Johnston, | New York City, | 9 S W |
| Smith, Andrew Augustus, | Brooklyn, N. Y., | 70 U |
| Smith, Harold Cornelius, | Chicago, Ill., | 29 U P |
| Steele, John Nelson, Jr., | Baltimore, Md., | 110 Nassau St. |
| Steinbach, Jacob, Jr., | Long Branch, N. J., | 11 U |

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|---|---|---|
| Stevens, Laurance Field, | Greenwich, Conn., | 136 Nassau St. |
| Stevens, Rolland Drew, | Pittston, Pa., | 32 S Ed |
| Stevens, Weld Merrick, | Greenwich, Conn., | 136 Nassau St. |
| Stewart, George Pomeroy, | Reading, Pa., | 4 W W |
| Stowell, William Averill, | St. Paul, Minn., | 46 U |
| Strong, Archibald McIntyre, | Montclair, N. J., | P, U |
| Sturdevant, Edward Warren, Jr., | Wilkesbarre, Pa., | 7 E B |
| Thacher, John Boyd, 2d, | Albany, N. Y., | 11 S E B |
| Trowbridge, George Edward, | Belle Mead, N. J., | 134 Nassau St. |
| Underhill, William Hurlbert, | East Orange, N. J., | 66 Nassau St. |
| Untermyer, Alvin, | New York City, | 16 W W |
| Van Duyn, Wilbur, | Syracuse, N. Y., | G, U |
| Van Valzah, Robert, | Spring Mills, Pa., | 15 N W |
| Vondermuhll, George Albert, | New York City, | 9 W B |
| Wagner, Daniel Eugene, | Water Valley, Miss., | 24 Chambers St. |
| Walter, Frederick Wardlaw, | Philadelphia, Pa., | 1 E W |
| Watres, Lawrence Hawley, | Scranton, Pa., | 10 W W |
| Williams, Burton, | St. Louis, Mo., | 6 E W |
| Williams, Royal Archibald, | Chicago, Ill., | L, U |
| Williams, Robert Emmerton, | Chicago, Ill., | L, U |
| Williams, Raymond Sanderson, | Baltimore, Md., | 1 W B |
| Wilsey, Edwin Shuey, | New York City, | 2 Nassau St. |
| Wilson, Thomas Hopkins, Jr., | Logansport, Ind., | 20 U |
| Wilson, William Lawrence, | Pittsburgh, Pa., | 8 W W |
| Wind, Leland Alexander, | St. Louis, Mo., | 84 B |
| Wolff, Otto, Jr., | Philadelphia, Pa., | 6 M D |
| Woodruff, George Bartram, | Elizabeth, N. J., | 16 Van Deventer Av. |
| Woods, William, | Philadelphia, Pa., | 15 M D |
| Wrightson, William George, | Newark, N. J., | 17 U |
| Zinram, Henry John, | Erie, Pa., | 1 E W |

ACADEMIC SOPHOMORES, . . . . . 200

## Academic Freshman Class.

| | | |
|---|---|---|
| Ackley, Lewis Arthur, | Hackettstown, N. J., | 40 Wiggins St. |
| Adams, Charles Henry, | Portland, Me., | 10 S Ed |
| Adler, David, Jr., | Milwaukee, Wis., | 2 Nassau St. |
| Auerbach, John Hone, | New York City, | 5 L P |
| Baker, Albert Theodore, | Harrisburg, Pa., | 18 M D |
| Bardwell, Alvah Edgar, | Castalia, O., | 5 S M R |
| Biddle, Arney Graham, | Jersey City, N. J., | 11 Van Deventer Av. |
| Bigelow, John Ogden, | Newark, N. J., | 39 Van Deventer Av. |
| Blair, John Insley, 3rd, | Scranton, Pa., | 19 Univ. Pl. |
| Blakeman, Frederick Thomlinson, | New York City, | 35 Univ. Pl. |
| Bodine, Joseph, | Trenton, N. J., | 60 Univ. Pl. |
| Bond, Jesse Johnson, | Lawrenceburg, Ky., | 21 Chambers St. |
| Bowman, William Penn, | Reading, Pa., | 23 William St. |
| Bradshaw, William M., | New York City, | 190 Nassau St. |
| Brewster, James Riggs, | Montrose, Pa., | 18 S M R |
| Brooks, Charles Ames, | Plainfield, N. J., | 32 Wiggins St. |
| Brooks, Noah Reynolds, | Montclair, N. J., | 53 L |
| Brower, Charles de Hart, Jr., | New York City, | 2 L P |
| Brown, Charles Francis, | Baltimore, Md., | 53 Univ. Pl. |
| Brown, Coleman Peace, | Philadelphia, Pa., | 36 Univ. Pl. |
| Brown, Frederick Lane, | Somerville, N. J., | 44 Van Deventer Av. |
| Burgess, John Stewart, | Trenton, N. J., | 29 S Ed |
| Burke, Thomas James, | Chicago, Ill., | 2 S W |
| Cadwalader, Lambert, | Fort Washington, Pa., | 7 N D |
| Callan, Gerard, | Yonkers, N. Y., | 39 Univ. Pl. |
| Carroll, Alfred Howard, | Pittsburg, Pa., | 15 Dickinson St. |
| Carter, Pasco Billings, | Pittsburg, Pa., | 14 Park St. |
| Carton, Alfred Thomas, | Chicago, Ill., | 33 Edwards Pl. |
| Clark, Kenneth Sherman, | Birmingham, Ala., | 14 Dickinson St. |
| Clark, Thomas Fayette, | Kingston, N. Y., | 32 Mercer St. |
| Clarke, Dumont, Jr., | Dumont, N. J., | 33 Edwards Pl. |
| Conwell, George Macfeely, | Vineland, N. J., | 37 N Ed |
| Coover, Carson, | Harrisburg, Pa., | 18 M D |
| Cornwall, Ellsworth Bedinger, | Princeton, N. J., | 51 Nassau St. |
| Coughlin, George Harper, | Norristown, Pa., | 34 Van Deventer Av. |
| Crawford, Kenneth B., | Merion Station, Pa., | 24 Chambers St. |

| | | |
|---|---|---|
| Curtis, Edward Arnold, | Red Bank, N. J., | 24 M D |
| Curtis, Osborn, | Red Bank, N. J., | 24 M D |
| Cushman, Robert Potter, | Lakewood, N. J., | 36 Univ. Pl. |
| Daddow, Samuel Harries, | St. Clair, Pa., | 39 Nassau St |
| Dawkins, Charles Carroll, | Bloomfield, N. J., | 31 Alexander St. |
| Deen, Crittenden, | Short Hills, N. J., | 32 U |
| De Ridder, John Howard, | Saratoga Springs, N. Y., | 22 Van Deventer Av. |
| De Ronde, Philip, | Englewood, N. J., | 2 L P |
| Dodd, Thomas Nelson, | Bloomfield, N. J., | 19 S Ed |
| Dong, Seung, | New York City, | 35 N Ed |
| Doyle, Donald Bryce, | Pittsburg, Pa., | 15 Univ. Pl. |
| Duffield, Stuart Kennedy, | New York City, | 23 Univ. Pl. |
| Duncan, Duffield Knox, | Duluth, Minn., | 39 Univ. Pl. |
| Duncan, Robert Phifer, | Columbus, O., | 162 Nassau St. |
| Dunham, Francis Herbert, | Baltimore, Md., | 47 Univ. Pl. |
| Dunlap, Maurice Pratt, | St. Paul, Minn., | 33 N Ed |
| Dunning, Lehman M., | Indianapolis, Ind., | 39 Nassau St. |
| Durham, Donald Blythe, | Reading, Pa., | 64 U |
| Duvall, Ralph Gilfillan, | Washington, D. C., | 39 Van Deventer Av. |
| Elliot, Wistar Morris, | Williamsport, Pa., | 21 Dickinson St. |
| Ellis, George Wilson, | Dunmore, Pa., | 41 S Ed |
| Ely, Alfred, Jr., | New York City, | 5 L P |
| Euwer, Eugene Courtney, | Bellevue, Pa., | 13 M D |
| Fales, Merton S., | Buffalo, N. Y., | 27 N Ed |
| Ferris, Ezra Floyd, Jr., | Newark, N. J., | 2 S Ed. |
| Foulke, Walter Longfellow, | Germantown, Pa., | 19 Univ. Pl. |
| Fox, Frank Boughton, | Washington, D. C., | 42 Wiggins St. |
| Franklin, William Henry, | Hightstown, N. J., | 9 E B |
| Fuller, Henry Mills, | Wilkesbarre, Pa., | 47 Univ. Pl. |
| Funk, John Clarence, | Harrisburg, Pa., | 18 E W |
| Furst, James Chamberlin, | Bellefonte, Pa., | 15 Dickinson St. |
| Gamble, Cecil Huggins, | Cincinnati, O., | 33 Edwards Pl. |
| Gantz, George Clement, Jr., | Baltimore, Md., | 45 Univ. Pl. |
| Gardner, Albert Sheperd, | Yazoo City, Miss., | 138 Nassau St. |
| Garrison, Ralph Alden, | Philadelphia, Pa., | 7 B S |
| Gilchrist, James Paul, | Lebanon, O., | 138 Nassau St. |
| Gill, Philip Lee, | Brooklyn, N. Y., | 47 Univ. Pl. |

Goldsmith, George Moffitt, Peconic, N. Y., T, U
Gordon, John Douglas, Philadelphia, Pa., 39 Van Deventer Av.
Green, Gilbert Randolph, Buffalo, N. Y., 39 N Ed
Griggs, David Craig, Somerville, N. J., 44 Van Deventer Av.
Halliday, Herbert Brotherton, Columbus, O., 172 Nassau St.
Hamblen, Albert Arthur, Flemington, N. J., 17 S Ed
Harris, Henry, Newark, N. J., 60 Univ. Pl.
Hart, Henry Ridgeway, Cincinnati, O., 112 Nassau St.
Hart, Percy Grier, Newark, N. J., 60 Univ. Pl.
Havens, Fred Crane, Point Pleasant, N. J., 9 E W
Hayden, Horace Edwin, Jr., Wilkes Barre, Pa., 41 Univ. Pl.
Heisler, William Henry, Jr., Pemberton, N. J., 24 Chambers St.
Herr, Odin Arvine, Harrisburg, Pa., 41 N Ed
Hilliard, Edward Hobbs, Louisville, Ky., 15 Univ. Pl.
Hindman, William Wayne, Clarion, Pa., 3 B
Hirsch, Walter A., New York City, 18 Van Deventer Av.
Hobbie, Lawrence St. John, Newark, N. J., 60 Univ. Pl.
Holland, Moorhead Benezet, Pittsburg, Pa., 47 Univ. Pl.
Horner, Charles, Philadelphia, Pa., 162 Nassau St.
Hull, Robert Alonzo, Scranton, Pa., 4 N R
Irwin, Watson, Springfield, Ill., 14 Chambers St.
Janvrin, Edmund Randolph Peaslee, New York City, 35 Univ. Pl.
Jenkins, Thomas Courtenay, Baltimore, Md., 2 Nassau St.
Johnson, William Fell, Jr., Baltimore, Md., 47 Univ. Pl.
Jones, Harry Seaver, East Orange, N. J., 6 W M W
Kampmann, Isaac Simpson, San Antonio, Tex., 15 Univ. Pl.
Kane, George, Jr., Baltimore, Md., 16 Alexander St.
Karow, Edward Gustav, Savannah, Ga., 35 Univ. Pl.
Kauffmann, Rudolph Max, Washington, D. C., 42 Wiggins St.
Keith, Harold Hall, Chicago, Ill., 4 E M W
Kelso, William Gordon, Jr., Jersey City, N. J., 11 Van Deventer Av.
Kennard, Samuel Mummey, Jr., St. Louis, Mo., 31 Univ. Pl.
Kennedy, Lauren Allen, West Superior, Wis., 31 Univ. Pl.
Leake, Robert Highet, New York City, 31 Univ. Pl.
Leavitt, Horace Hall, Jr., Somerville, Mass., 20 N Ed
Leggett, Schuyler Maurice, Staten Island, N. Y., 21 Chambers St.
Levy, Leon, Scranton, Pa., 26 S Ed
Lewis, Winfred Davis, Lansford, Pa., 38 N Ed

Littell, William Bernard,
Setauket, L. I., N. Y., 34 Van Deventer Av.
Little, Edward Harsen, Morristown, N. J., 32 L
Lloyd, Henry, Pittsburgh, Pa., 15 Univ. Pl.
Long, Samuel Miller Breckinridge, St. Louis, Mo., 3 S R
Lyon, Chester Arthur, East Orange, N. J., 6 W M W
McAlpin, Kenneth Rose, Ossining, N. Y., 35 U
MacCrellish, William Howard, Trenton, N. J., 93 B
McDonald, John Oliver, Englishtown, N. J., 45 Van Deventer Av.
McGee, Bennington Fitz-Randolph, Jersey City, N. J., 14 N Ed
McIlvaine, Richard Biddle, Pittsburgh, Pa., 24 Edwards Pl.
McKinlay, Edwin Lawrence, Woodburn, Ore., 36 Wiggins St.
McPherson, Oscar Harmon, Lawrenceville, N. J., 17 B
Maddux, Charles Vincent, Glen Rock, Pa., 18 N Ed
Magee, Eugene Harper, East Orange, N. J., 24 Edwards Pl.
Man, Ellery Anderson, New York City, 44 Nassau St.
Mann, Peter Carter, Bloomfield, N. J., 21 N Ed
Marshall, Hugh Daw, Jr., St. Louis, Mo., 39 Univ. Pl.
Mathews, Charles Henry, Jr., Philadelphia, Pa., 31 Library Pl.
Mayers, John Mickle, Kittanning, Pa., 34 Van Deventer Av.
Messler, James Stevens, Trenton, N. J., 12 U
Mierow, Charles Christopher, Lakewood, N. J., 44 Mercer St.
Miller, John Rulon, Jr., Bryn Mawr, Pa., 36 Univ. Pl.
Milliken, Henry Oothout, Stamford, Conn., 32 Wiggins St.
Mills, Le Roy Newton, Mt. Vernon, N. Y., 168 Nassau St.
Milton, Henry Stites, Louisville, Ky., 16 Chambers St.
Minott, Harold, South Orange, N. J., 19 Univ. Pl.
Moffitt, Thomas Robinson, Harrisburg, Pa., 15 Dickinson St.
Monie, Charles Cockburn, West Pittston, Pa., 15 S Ed
Moore, Frank S., Newton, N. J., 30 N Ed
Mount, Horace, Sea Girt, N. J., 22 S Ed
Mowry, Theodore Clayton, Rome, N. Y., 16 Chambers St.
Mullen, Frank Weaver, Jr., Centre Valley, Pa., 38 N Ed
Munn, Henry Farwell, Washington, D. C., 2 W M W
Murfree, Matthias Brickles, Murfreesboro, Tenn,, 173 Nassau St.
Nixon, John Barron Rowan, Bridgeton, N. J., 19 Univ. Pl.
Ogden, Bryan Kneass, Orange, N. J., 39 Nassau St.
Olyphant, Murray, Englewood, N. J., 35 Univ. Pl.

Osborn, Alexander Perry, New York City, 31 Univ. Pl.
Parsons, Argyll Rosse, Garden City, L. I., N. Y., 15 L P
Peabody, George Russell, New York City, 31 Univ. Pl.
Pearl, William Ellery, New York City, 36 Univ. Pl.
Phelan, James, Washington, D. C., 42 Wiggins St.
Phillips, Alroy Scolley, St. Louis, Mo., 26 Edwards Pl.
Pinckney, Thomas, Jr., Morristown, N. J., 36 Univ. Pl.
Poindexter, Urban Hatfield, Topeka, Kans., 22 Van Deventer Av.
Pond, David Stirling, Plainfield, N. J., 39 Nassau St.
Ream, Edward King, Chicago, Ill., 53 Univ. Pl.
Reinhart, Francis Ormond, Plainfield, N. J., 19 Univ. Pl.
Rentschler, Robert Peter, Hamilton, O., 39 Nassau St.
Richardson, Edgar, Bernville, Pa., 13 W W
Richardson, William McLemore, Murfreesboro, Tenn., 173 Nassau St.
Riegel, George Easton, Riegelsville, Pa., 6 B
Roper, James Gowen, Philadelphia, Pa., 20 S W
Rutherfoord, Alexander Hawksley, Roland Park, Md., 2 Nassau St.
Rutter, Joseph Wood, Irvington-on-Hudson, N. Y., 36 Univ. Pl.
Ryan, Frank Keith,
Hampton, New Brunswick, Canada, 11 Van Deventer Av.
Sanford, Edwards Sewall, Jr., South Orange, N. J., 16 B
Semple, James Lithgow, Philadelphia, Pa., 28 S Ed
Shepard, Francis Burrill, New York City, 31 Univ. Pl.
Short, Harold Hall, St. Louis, Mo., 4 S D
Slaughter, Rochester Beatty, Chicago, Ill., 49 Nassau St.
Spangler, John Walter, Mercersburg, Pa., 26 N Ed
Stafford, Homer I. Newton, New Brunswick, N. J., 66 William St.
Stevens, Washington Lewis, Hoboken, N. J., 24 U P
Stewart, John Aikman, 3rd, Short Hills, N. J., 35 Univ. Pl.
Stewart, Vance, Cleveland, O., 24 Chambers St.
Stites, John Hunt, Louisville, Ky., 138 Nassau St.
Stone, Lane Kimball, Jr., New York City, 15 Univ. Pl.
Stoutenburgh, Robert Bartholomew,
Newark, N. J., 34 Van Deventer Av.
Stratton, Henry Mayer, Trenton, N. J., 2 E M W
Stromberg, Carl Martin, Lake Placid, N. Y., 53 Univ. Pl.
Stutesman, John Hale, Peru, Ind., 15 Univ. Pl.
Sutton, C. Kemper, Indiana, Pa., 73 Stockton St.

| | | |
|---|---|---|
| Terry, John Loving, | Louisville, Ky., | 16 Chambers St. |
| Thacher, Thomas Oxenbridge, | Albany, N. Y., | 36 Univ. Pl. |
| Thompson, Charles Dederer, | Montclair, N. J., | 47 Univ. Pl. |
| Trent, Edmund Kiernan, | Pittsburg, Pa., | 31 Univ. Pl. |
| Tyrone, Royal Eugene, | Spring Forge, Pa., | 18 N Ed |
| Turner, William Fitzhugh, | Princeton, N. J., | 31 Nassau St. |
| Van der Veer, Norman Reeve, | New York City, | 39 Nassau St. |
| Van Doren, Willard Voorhees, | Princeton, N. J., | 34 Van Deventer Av. |
| Vaughan, Donald Cuyler, | Garden City, L. I., | 15 L P |
| Wade, Simon Franklin, | Hackettstown, N. J., | 42 N Ed |
| Wallach, Herschel, | New York City, | 18 Van Deventer Av. |
| Walter, Howard Arnold, | New Britain, Conn., | 16 S W |
| Ward, Clarence, | Thompson, Conn., | 53 Univ. Pl. |
| Ward, Edward S., | Rochester, N. Y., | 20 U P |
| Warren, Frederick Leslie, | Warrenton, Ore., | 36 Wiggins St. |
| Wells, George Titus, | Jersey City, N. J., | 52 B |
| Wessells, Henry Walton, | Wytheville, Va., | 34 Van Deventer Av. |
| Whelen, Charles S., Jr., | Philadelphia, Pa., | 33 Ed Pl. |
| White, John McCahan, | Baltimore, Md., | 16 Alexander St. |
| Wilsey, James Arthur, | New York City, | 12 Park St. |
| Wilson, Robert Marshall, | Milton, Pa., | 21 Chambers St. |
| Winnemore, John, | Trenton, N. J., | 21 Dickinson St. |
| Woodworth, Ernest Temple, | Passaic, N. J., | 33 Ed Pl. |
| Wright, Clarence Edgerton, | Washington, D. C., | 32 Wiggins St. |
| Wyckoff, John Robins, | Dutch Neck, N. J., | 31 N Ed |
| Yard, James Maxon, | Farmingdale, N. J., | 66 William St. |
| Young, Roger, | Newark, N. J., | 47 Univ. Pl. |
| Zink, Homer Charles, | Newark, N. J., | 23 William St. |

ACADEMIC FRESHMEN, . . . . . 212

## ACADEMIC SPECIALS.

| | | |
|---|---|---|
| Abbott, William Henry, | Ivanhoe, Ill., | 18 N W |
| Burt, Maxwell Struthers, | Philadelphia, Pa., | 114 Nassau St. |
| Drake, Edward Bless, Jr., | Newark, N. J., | 34 Van Deventer Av. |
| Edgar, Andrew James, | Jersey City, N. J., | 21 S Ed |
| Fernald, George, | Chicago, Ill., | 95 B |
| Griffith, Abram Comingo, | Kansas City, Mo., | 47 Univ. Pl. |
| Higginbottom, Sam, | Llandudno, North Wales, | 16 Witherspoon St. |
| Higgins, James Buren, | Indianapolis, Ind., | 62 U |
| Hoe, Peter Smith, Jr., | New Brunswick, N. J., | 27 Mercer St. |
| Holman, Val Brunner, | Washington, D. C., | 36 Wiggins St. |
| Hustead, James Edgar, | Uniontown, Pa., | 110 Nassau St. |
| Hyde, James Lewers, | Franklinville, Md., | 40 N Ed |
| King, Rockwell, | Chicago, Ill., | 29 U P |
| Koch, Scott Lorain, | Lyons Station, Pa., | 3 N R |
| Laidley, Paul, | St. Louis, Mo., | 22 Dickinson St. |
| McCoy, Samuel Duff, | Hinsdale, Ill., | 9 S Ed |
| McLane, Alan Hill, | Steubenville, O., | 11 S Ed |
| Mason, Elmer Brown, | Chicago, Ill., | 134 Nassau St. |
| Murray, Leslie Ford, | Paterson, N. J., | 12 Van Deventer Av. |
| Newman, Harry Arthur, | Lakewood, N. J., | Dodge Hall |
| Randell, Andrew Lawrence, | Sherman, Texas, | 199 Nassau St. |
| Rendall, Humphrey Jones, | Lincoln Univ., Pa., | 109 H S |
| Riker, Thad Weed, | Stamford, Conn., | 11 Park St. |
| Stone, William Robbins, | Philadelphia, Pa., | 2 Nassau St. |
| Wallner, Louis Woodruff, | East Orange, N. J., | 44 Wiggins St. |
| Walpole, Floyd Finnell, | Pueblo, Colo., | 94 B |
| Weber, Kossuth Cayce, | Farmington, Mo., | 1 M D |
| West, Davenport, | Galveston, Texas, | 32 Mercer St. |
| Wightman, McQueen Salley, | Charleston, S. C., | 1 W B |
| Wright, Irving Cloutman, | Boston, Mass., | 31 Univ. Pl. |

ACADEMIC SPECIALS, . . . . . 30

# STUDENTS IN THE JOHN C. GREEN SCHOOL OF SCIENCE.

## SCHOOL OF ELECTRICAL ENGINEERING

### SECOND YEAR.

| | | |
|---|---|---|
| Laughlin, Henry Hughart, A.B., Princeton, 1900. | Allegheny City, Pa., | 18 U P |
| Upson, Walter Lyman, B.S., Princeton, 1899. | Cleveland, O., | 156 Nassau St. |
| Waggaman, Henry Elliott Eugene, C.E., Princeton, 1900. | Annapolis, Md., | 14 Nassau St. |

### FIRST YEAR.

| | | |
|---|---|---|
| Bergland, Eric Leonard, B.S., Princeton, 1901. | Baltimore, Md., | 42 B |
| Brokaw, Paul, B.S., Princeton, 1901. | St. Louis, Mo., | 31 B |

STUDENTS IN THE ELECTRICAL SCHOOL, . . . . . 5

## SCHOOL OF SCIENCE SENIOR CLASS.

### B. S. COURSE.

| | | |
|---|---|---|
| Alrich, William Morris, | Pittsburgh, Pa., | 12 E B |
| Applegate, Edward Taylor Riggs, Jr., | Hightstown, N. J., | 2 S W B |
| Applegate, George Gorman, | Pittsburgh, Pa., | 12 S E B |
| Applegate, Thomas Ely, | Hightstown, N. J., | 2 S W B |
| Argersinger, James Pierson, | Johnstown, N. Y., | 12 L |
| Babson, Sydney Gorham, | South Orange, N. J., | 53 B |
| Bailie, John Wesley, Jr., | McKeesport, Pa., | 71 L |
| Black, Alexander, | Pittsburgh, Pa., | 52 Nassau St. |
| Bleakley, Orrin Louis, | Franklin, Pa., | 24 B |
| Bonsall, James Malcolm, | Dover, N. J., | 53 B |

| | | | |
|---|---|---|---|
| Boyer, Clarence Valentine, | Titusville, Pa., | 12 | E W |
| Brown, Stephen Van du Zee, | Williamsport, Pa., | 1 | L P |
| Bunton, Harry Russell, | Pittsburgh, Pa., | 52 | Nassau St. |
| Burchfield, William Hodge, | Pittsburgh, Pa., | 12 | S W B |
| Canby, William Poyntell Johnston, | Wilmington, Del., | 7 | W M W |
| Casper, Joseph, | Salem, N. J., | 3 | E W |
| Clapp, John Henry, | Washington, D. C., | 6 | N D |
| Cochran, Douglas Hay, | Philadelphia, Pa., | 9 | W M W |
| Condict, Hudson King, | Jersey City, N. J., | 17 | M D |
| Curtis, Frederick Lindsey, | Newark, Del., | 12 | S E B |
| David, Thomas Barr, | Pittsburgh, Pa., | 16 | L |
| Eaton, George Freeman, Jr., | Covington, Ky., | 33 | L |
| Frost, Joe Hardin, | San Antonio, Tex., | 11 | N D |
| Gilmer, Jay Thornton, | Salt Lake City, Utah, | 12 | L |
| Gilmore, William Blair, | Chambersburg, Pa., | 13 | S D |
| Green, William Edgar, | Trenton, N. J., | 20 | E W |
| Harrington, George Bates, | Wilmington, Del., | 16 | U |
| Hauxhurst, Henry Austin, | West Bay City, Mich., | F, | U |
| Herndon, Hugh, | Tyler, Tex., | 9 | M D |
| Hussey, Frederick Byram, | Allegheny, Pa., | 9 | M D |
| Jackson, Huntington Wolcott, 2nd, | Washington, D. C., | 172 | Nassau St. |
| Johnson, Samuel Allan, | Wilkinsburg, Pa., | 4 | S R |
| Keith, Stanley, | Chicago, Ill., | 4 | E M W |
| Kinsey, Albert Lawrence, | Indianapolis, Ind., | 12 | M D |
| Kline, Ralph Crane, | Baltimore, Md., | 24 | L |
| Lambie, Charles Arbuthnot, | Glenosborne, Pa., | 39 | Nassau St. |
| Langdon, Philip Cuyler, | Brooklyn, N. Y., | 8 | W W |
| Linkletter, George Onderdonk, | Manhasset, N. Y., | 24 | L |
| Lloyd, John, Jr., | Altoona, Pa., | 3 | S D |
| Ludlow, Frederick Orr, | East Orange, N. J., | 11 | N D |
| McClenahan, Roy Perry, | Port Deposit, Md., | 1 | E M W |
| MacConnell, Thomas, Jr., | Pittsburgh, Pa., | 3 | W M W |
| McCord, Herbert, | Greenwich, Conn., | 4 | W M W |
| McVitty, Samuel Herbert, | Bryn Mawr, Pa., | 8 | M D |
| Maynard, Linn De Riemer, | Nyack, N. Y., | 7 | W M W |
| Mills, Marshall Freeborn, | New York City, | 66 | L |
| Montgomery, William John, | Mamont, Pa., | 3 | S W |

| | | |
|---|---|---|
| Moran, Eugene Austin, | Chicago, Ill., | 31 L |
| Muir, James Gardner, | Pottsville, Pa., | 42 B |
| Muser, Ralph Edward, | New York City, | 12 S W B |
| Peyser, Horace Frederick, | New York City, | 14 W W |
| Piper, Edmund Brown, | Williamsport, Pa., | 24 B |
| Rowe, Edgar Charles, | Evanston, Ill., | 41 L |
| Salsbury, William Baird, | Pittsburgh, Pa., | 19 M D |
| Savage, Harry Knebel | New York City, | 94 Mercer St. |
| Sealy, George, Jr., | Galveston, Tex., | 41 L |
| Spear, James, Jr., | Philadelphia, Pa., | 8 S W B |
| Steinmeyer, William Augustus, | Pittsburgh, Pa., | 7 U |
| Steinwender, William Julius, | St. Louis, Mo., | 1 L P |
| Suderley, Charles Perry, | Arlington, N. J., | 6 N R |
| Vail, William Penn, | Blairstown, N. J., | 96 B |
| Wallace, Paul Black, | Glenosborne, Pa., | 15 N D |
| Whitehouse, Clarence Asa, | Pottsville, Pa., | 13 E W |

C. E. COURSE.

| | | |
|---|---|---|
| Bonner, Douglas Edward, | West New Brighton, N. Y., | 7 U |
| Clark, Irving Wayne, | Plainfield, N. J., | D, W B |
| Curtiss, George Wellington, | Woodside, Md., | 8 W M W |
| Large, Edwin Kirk, | Flemington, N. J., | 26 M D |
| Latta, Edward Dilworth, Jr., | Charlotte, N. C., | 7 M D |
| Luther, Edwin Cornelius, | Pottsville, Pa., | 15 L |
| Rowe, William London, | Pittsburgh, Pa., | 3 W M W |
| Schellenberg, Frank Foster, | Pittsburgh, Pa., | 13 E W |
| Schusler, George William, | Pittsburgh, Pa., | 1 S E B |

SCIENTIFIC SENIORS, . . . . . 72

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## SCHOOL OF SCIENCE JUNIOR CLASS.

B. S. COURSE.

| | | |
|---|---|---|
| Ashley, Morgan, | East Orange, N. J., | 11 W W |
| Bauerdorf, Charles Rohe, | New York City, | D, U |
| Bubb, George, | Williamsport, Pa., | 83 Prospect Av. |
| Bush, Edward, | White Haven, Pa., | 4 S R |
| Byles, Axtell Julius, | Titusville, Pa., | 12 E W |

| | | |
|---|---|---|
| Cadenas, Tesaleo Ramon, | New York City, | 12 B |
| Campbell, James Thompson, Jr., | Franklin, Pa., | 8 E B |
| Clancy, John McFerran, | Louisville, Ky., | 10 M D |
| Cole, Blase, | Hainesville, N. J., | 2 E M W |
| Coulter, William Anderson, | Greensburg, Pa., | 23 B |
| Crawford, John, Jr., | New York City, | 95 B |
| Davies, Joseph Pierce, | Dayton, O., | 110 Nassau St. |
| Eddy, James Garfield, | Bay City, Mich., | 43 B |
| Frost, John Morrison, | San Antonio, Tex., | 8 S W B |
| Galt, Alexander, | St. Louis, Mo., | 22 L |
| Grannis, Uri Balcom, | Chicago, Ill., | 86 Nassau St. |
| Greene, Harold, | Upper Montclair, N. J., | 9 E M W |
| Guile, Hubert Vivian, | New York City, | 5 S D |
| Harris, Henry Fraser, | Philadelphia, Pa., | 16 M D |
| Haynes, Clifford Lindsley, | New York City, | 8 E M W |
| Hedges, Robert Cyrus, | Newark, N. J., | 3 M D |
| Holt, Sidney Tarzewell, | Newark, N. J., | 5 E W |
| Leigh, Edwin Furness, | St. Louis, Mo., | 2 M D |
| Loewenstein, Julius Max, | Cincinnati, O., | 10 E W |
| Lovett, Earle Steele, | Denver, Colo., | 31 William St. |
| McKaig, John Stuart, | Pittsburgh, Pa., | 62 B |
| Maltman, John Scott, Jr., | Chicago, Ill., | 9 N D |
| Moore, Lawrence, | Sandusky, O., | 31 L |
| Munger, George Edward, | Chicago, Ill., | 7 N M R |
| Nicoll, Courtlandt, | Morristown, N. J., | 5 U P |
| Otis, Harrison Gray, | New York City, | 8 N R |
| Palmer, Edgar, | New York City, | 5 U P |
| Paull, George, | Pittsburgh, Pa., | 3 S W B |
| Pearson, Forrest Garfield, | Germantown, Pa., | 2 B |
| Pickens, Owen, | Indianapolis, Ind., | 33 L |
| Pitkin, Elliott Wilbur, | Yonkers, N. Y., | 3 W B |
| Roberts, Isaac Warner. | Bala, Pa., | 11 S D |
| Rutherford, Thomas Arthur, | Carbondale, Pa., | 4 S M R |
| Saks, Horace Andrew, | New York City, | 9 S D |
| Scott, Homer, | Little Rock, Ark., | 73 B |
| Stephenson, Charles McCaw, | Pittsburgh, Pa., | 23 M D |
| Sterrett, Clarence Earl, | East Orange, N. J., | 64 B |
| Strater, Harry Augustus, | Louisville, Ky., | 2 W B |

| | | |
|---|---|---|
| Templeton, Justus Stevens, | Princeton, Ill., | 10 N D |
| Tiedemann, Rudolph Ernest, | New York City, | 8 W B |
| Tillinghast, Percival, | Albany, N. Y., | 43 B |
| Turnbull, Edward Jenkins, | Brooklyn, N. Y., | 3 E B |
| Welch, Norman Spencer, | Charleston, S. C., | 3 W B |
| Wells, Erastus, | St. Louis, Mo., | 83 Prospect Av. |
| Wilson, Harry Rhees, | Trenton, N. J., | 47 U |
| Woods, Edward Bigelow, | Pittsburgh, Pa., | 22 B |

C. E. COURSE.

| | | |
|---|---|---|
| Ames, James Wood, | Montclair, N. J., | 22 L |
| Anderson, Robert Earle, | Princeton, N. J., | 275 Nassau St. |
| Ashmead, Henry Clifton, | Philadelphia, Pa., | 9 N M R |
| Baird, David, Jr., | Camden, N. J., | 74 B |
| Bayles, Frederick Withington, | Princeton, N. J., | 276 Nassau St. |
| Blossom, Dwight Bradford, | St. Louis, Mo., | 4 S W B |
| Cassilly, Robert Rogers, | Belcamp, Md., | B, U |
| Cooper, Henry Morgan, | Little Rock, Ark., | 73 B |
| Doe, Charles Lee, | Elizabeth, N. J., | 63 B |
| Field, Joseph Conrow, | Hightstown, N. J., | 7 S M R |
| Gorman, Douglas, | Catonsville, Md., | 62 B |
| Gross, Albert, | Dayton, O., | 11 N Ed |
| Hodgman, Burt Bradley, | Chicago, Ill., | 10 S M R |
| Morris, Arthur Scranton, | Evanston, Ill., | 6 W B |
| Pitcairn, Norman Bruce, | Hamburg, Germany, | 6 E M W |
| Robinson, Arthur Pierce, | Marathon, N. Y., | 7 N M R |
| Ross, Roland Townley, | Newark, N. J., | 3 W M W |
| Speer, Alexander, | Pittsburgh, Pa., | 72 B |
| Sullenberger, Lawrence, | Denver, Col., | 6 E M W |
| Wade, Irving Russell, | New Brunswick, N. J., | 16 E W |
| Wallower, Frank Carmany, | Harrisburg, Pa., | 44 B |
| Wilcox, George, | Miller's Station, Pa., | Murray Pl. |

SCIENTIFIC JUNIORS, . . . . . 73

## School of Science Sophomore Class.

### B. S. Course.

| | | |
|---|---|---|
| Adsit, Lynn Magruder, | Hornellsville, N. Y., | 51 B |
| Allen, John Sinnickson, | South Orange, N. J., | 4 L P |
| Ames, James Cowen, | Chicago, Ill., | 10 N D |
| Archer, Peirce, Jr., | Wynnewood, Pa., | 16 N W |
| Bakewell, Gifford Childs, | Pittsburgh, Pa., | 13 N M R |
| Beymer, Arthur Franklin, | Corning, Ia., | 9 N R |
| Bleakley, Frederick James, | Franklin, Pa., | 8 E B |
| Bowyer, Joseph McCarter, | Washington, D. C., | 30 U |
| Bradley, Harold Hall, | Montclair, N. J., | 2 Nassau St. |
| Buchanan, James Marion, | Trenton, N. J., | 8 N M R |
| Cassilly, Thomas Alexander, | Belcamp, Md., | B, U |
| Chapman, Joseph, | Philadelphia, Pa., | 16 N W |
| Chauvenet, Regis, 2d, | Philadelphia, Pa., | 11 S D |
| Cline, Francis Campbell, | Indianapolis, Ind., | 136 Nassau St. |
| Cochran, George Irwin, | Sewickley, Pa., | 3 B |
| Conklin, Ludolph Henry, | Newark, N. J., | 38 U |
| Cosgrave, Wallace Butler, | Pittsburgh, Pa., | 13 N M R |
| Davis, Byron Laflin, | Saugerties, N. Y., | 63 U |
| Decker, Sydney Sylvester, Jr., | Montour Falls, N. Y., | W, U |
| De Mange, Ralph Charles, | Bloomington, Ill., | 138 Nassau St. |
| Denison, John Morgan, Jr., | Baltimore, Md., | 66 Nassau St. |
| Dennis, Harold, | Newark, N. J., | 39 U |
| Devereux, Walter Bourchier, Jr., | Glenwood Springs, Colo., | 2 S E B |
| Devereux, William Gregory, | Glenwood Springs, Colo., | 2 S E B |
| Dexter, Luin Edgar, | Elmira, N. Y., | 69 U |
| Dinsmore, Francis William, | Germantown, Pa., | 11 S W |
| Drayer, George Peter, | Hartford City, Ind., | 11 S E B |
| Fleming, Owen Howard, | Plainfield, N. J., | 79 U |
| Frankel, Henry, | Des Moines, Ia., | 54 B |
| Hague, William Edward, | Pittsburgh, Pa., | 1 S W |
| Hardenbergh, Thomas Eddy, Jr., | New York City, | 195 Nassau St. |
| Herrmann, Richard Englehart, | Jersey City, N. J., | 5 N D |
| Hill, Miner Clifford, | Trenton, N. J., | 93 B |

| | | |
|---|---|---|
| Hoopes, Edwin Lowrey, | Hollidaysburg, Pa., | 42 U |
| Horn, Henry Schuyler, | South Orange, N. J., | 39 U |
| Jenvey, Arthur Carleton, | Hoboken, N. J., | 2 U P |
| Kirkpatrick, John Paxton, | Jamesburg, N. J., | 10 E B |
| Lichty, Ben Russell, | Waterloo, Ia., | 6 B |
| Maverick, Robert Mason, | San Antonio, Tex., | 79 U |
| Metcalfe, David, | St. Louis, Mo., | 10 S R |
| Miles, Jason Daniel, | Miles City, Mont., | 96 B |
| Miller, Edmund Welch, | Waterloo, Ia., | 6 B |
| Mosher, Victor Wadleigh, | New Richmond, Wis., | 15 U |
| Nevin, Ernest Delano, | Pittsburgh, Pa., | 4 U |
| Noble, Harrison Butler, | Menasha, Wis., | 10 S R |
| Peckham, Frank Erasmus, | St. Louis, Mo., | 84 B |
| Plumb, Louis Jackson, | East Orange, N. J., | 50 U |
| Pogue, Henry, Jr., | Cincinnati, O., | 18 S W |
| Preston, Wilbur Fisk, | Brooklyn, N. Y., | 112 Nassau St. |
| Preusse, Julius Wood, | Braddock, Pa., | 9 U |
| Purnell, Lyttleton Bowen, | Baltimore, Md., | 1 W M W |
| Ranken, David Dean, | St. Louis, Mo., | 18 S W |
| Rea, James Childs, | Pittsburgh, Pa., | 15 S W |
| Reed, James Hay, Jr., | Pittsburgh, Pa., | I, U |
| Reynolds, Henry Bailey, | Elmira, N. Y., | 138 Nassau St. |
| Reynolds, Henry Call, | Marquette, Mich., | 23 M D |
| Rowe, Benjamin, | Saugerties, N. Y., | 3 S M R |
| Scott, Thomas McGee, | Paris, Tex., | 73 B |
| Sheasley, Jacob, | Franklin, Pa., | 61 L |
| Sinclair, Wallace Morton, | South Orange, N. J., | 73 U |
| Sonn, Herbert Henry, | New York City, | 18 Van Deventer Av. |
| Stevens, Clyde Garfield, | Chicago, Ill., | 82 B |
| Stobo, Alexander, | New York City, | 81 B |
| Stockly, Galt, | Lakewood, N. J., | 2 S E B |
| Stokes, Robert Johnston, | Trenton, N. J., | 47 U |
| Swann, Chesley Innes, | Louisville, Ky., | 88 Nassau St. |
| Taggart, Alexander Lewthwaite, | Indianapolis, Ind., | 136 Nassau St. |
| Truesdale, Joseph Robinson, | Youngstown, O., | 195 Nassau St. |
| Whipple, Allen Oldfather, | Duluth, Minn., | 1 S W B |
| Whiteside, Arthur Dare, | East Orange, N. J., | 88 Nassau St. |
| Wilcox, Herbert Mygatt, | Cleveland, O., | 4 U |

| | | |
|---|---|---|
| Wildrick, George Albert, | Cambridge, Mass., | 24 N Ed |
| Williams, Walter Donaldson, | Oxford, Pa., | N, U |
| Withee, Abner Gill, | La Crosse, Wis., | 20 U |

C. E. COURSE.

| | | |
|---|---|---|
| Ahrens, William Benneville, | Reading, Pa., | 13 W W |
| Armitage, Elwood Spencer, | Newark, N. J., | 10 S E B |
| Bradley, Albert Cottrell, | East Orange, N. J., | 50 U |
| Brown, Elliot Cowdin, | New York City, | 17 W W |
| Brown, Frederick Van Anden, | Clarion, Pa., | 11 E B |
| Cormany, William Buck, | Cincinnati, O., | 17 N W |
| Crane, Joseph Spencer, | West Pittston, Pa., | 14 S Ed |
| Crosby, William Spencer, Jr., | Chicago, Ill., | 31 Van Deventer Av. |
| Dixon, George Dallas, Jr., | Rosemont, Pa., | 7 S D |
| Dodd, Howard Marshall, | New York City, | 17 U |
| Downer, Jay, | Denver, Colo., | 8 N R |
| Fox, George, Jr., | Torresdale, Pa., | 5 S W |
| *Gordon, Leonard James, 2nd, | Newark, N. J., | 39 U |
| Gordon, William Whitelaw, | West Point, N. Y., | T, U |
| Jess, John Agee, | Springfield, Ill., | 110 Nassau St. |
| Julier, Henry Vaillant, | New York City, | 195 Nassau St. |
| Kays, William Thornton Anderson, | Newton, N. J., | 12 W B |
| Keyes, Rollin Webb, | Kenilworth, Ill., | 11 S E B |
| Kimball, Walter Denniston, | Philadelphia, Pa., | 67 U |
| Lamberton, George Judson, | Franklin, Pa., | 8 E B |
| Lawson, James Sanderson, Jr., | Williamsport, Pa., | 24 B |
| McIlvaine, Francis Shippen, | Trenton, N. J., | 4 W B |
| McLure, Norman Roosevelt, | Bala, Pa., | 1 S W |
| Merrick, Holland Montague, Jr., | Pottstown, Pa., | 1 S W |
| Miller, Edward Marcy, | Cape May City, N. J., | 15 N W |
| Ogle, Alfred McCartney, Jr., | Indianapolis, Ind., | 136 Nassau St. |
| Riston, Paul Alexander, | Reynoldsville, Pa., | M, U |
| Roosevelt, Nicholas Guy, | New York City, | 13 S W |
| Ross, Leland Hamilton, | Newark, N. J., | 6 E W |
| Schoonmaker, Leon Monroe, | Newark, N. J., | 6 N M R |
| Sheppard, Edgar Miller, | Philadelphia, Pa., | 67 U |

* Died December 8, 1901.

| | | |
|---|---|---|
| Smith, Ford Cushing, | Highland, N. Y., | 3 S M R |
| Smith, Karl Garthwaite, | Newark, N. J., | 14 N W |
| Spurgin, Horace Fletcher, | Omaha, Neb., | T, U |
| Stead, Albro Hallett, | Princeton, N. J., | 25 Chambers St. |
| Townsend, Thomas Gerry, Jr., | Washington, D. C., | 10 N W |
| Yarrow, Harry Creci, Jr., | Philadelphia, Pa., | 211 Nassau St. |

SCIENTIFIC SOPHOMORES . . . . . 110

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## SCHOOL OF SCIENCE FRESHMAN CLASS.

### B. S. COURSE.

| | | |
|---|---|---|
| Altland, Milton Jacob, | Dillsburg, Pa., | 19 N Ed |
| Ames, Alfredrick Smith, | Montclair, N. J., | 22 Ed. Pl. |
| Armstrong, Harry Howard, | Oakmont, Pa., | 17 S W |
| Atwood, John Baird, | Allegheny, Pa., | 9 U |
| Baldwin, Herbert Van Vherden, | Nyack-on-Hudson, N. Y., | 33 Van Deventer Av. |
| Banigan, John Bernard, | Providence, R. I., | 33 Van Deventer Av. |
| Belden, Augustus Cadwell, | New York City, | 33 U P |
| Boswell, Alfred Craig, | Allegheny, Pa., | 172 Nassau St. |
| Brosius, Lewis Gordon, | Brookville, Pa., | 15 Dickinson St. |
| Brown, Allan Henry, Jr., | Montclair, N. J., | 44 Wiggins St. |
| Buzby, Stockton, | Baltimore, Md., | 2 Nassau St. |
| Catlin, Seth, | Chicago, Ill., | 4 M D |
| Chandlee, Evan Goldsmith, Jr., | Philadelphia, Pa., | 15 Univ. Pl. |
| Clayton, John Conover, | Princeton, N. J., | 204 Nassau St. |
| Danby, Henry Gregg, | Wilmington, Del., | 138 Nassau St. |
| Davidson, Malcolm Hayward, | Fishkill-on-Hudson, N. Y., | 138 Nassau St. |
| Davis, Ralph Tipton, | Blossburg, Pa., | 17 N W |
| Dickinson, Henry, | Chicago, Ill., | 44 Van Deventer Av. |
| Dickinson, Sackett Moore, | Trenton, N. J., | 7 N D |
| Earle, David Prince, | Elizabeth, N. J., | 45 Van Deventer Av. |
| Eisenhart, Martin Herbert, | York, Pa., | 11 Bank St. |
| Elkins, Blaine, | Elkins, W. Va., | 52 B |
| Fayerweather, Charles Swinburne, | Paterson, N. J., | 7 B |

Flagg, Herbert Harbeck, Brooklyn, N. Y., 39 Van Deventer Av.
Forman, William Parker, Poughkeepsie, N. Y., 162 Nassau St.
Forney, John Albert, Brooklyn, N. Y., 31 B
Freeman, William Coleman, Jr., Cornwall, Pa., 31 Univ. Pl.
Frick, Childs, Pittsburgh, Pa., 47 Univ. Pl.
Gaskins, Perse Lacy, Starke, Fla., 32 Wiggins St.
Gaw, Henry L., 3rd, Philadelphia, Pa., 33 Edwards Pl.
Granger, Frederic Stearns, Cincinnati, O., 32 Wiggins St.
Griffith, Morrison Elmo, Conroe, Texas, 138 Nassau St.
Grimes, James Lee, Pittsburgh, Pa., 1 S E B
Hamilton, Donald Campbell, Pittsburgh, Pa., 54 B
Harle, Hugh Coffin, New York City, 39 Univ. Pl.
Harrah, Matthew Kennedy, Beaver, Pa., 138 Nassau St.
Harvey, Thomas William, Jr., Orange, N. J., 22 Ed. Pl.
Hatch, Arthur Pierson, Stamford, Conn., 172 Nassau St.
Henry, Charles Parmenas, Basking Ridge, N. J., 2 S Ed.
Hill, Percy Vickery, Augusta, Me., 39 Univ. Pl.
Hooven, Arthur Tillson, Scranton, Pa., 17 N Ed.
Hoyt, Randal Edward, St. Louis, Mo., 168 Nassau St.
Hubbard, Leverett Marsden, Jr., Wallingford, Conn., 33 Van Deventer Av.
Hughes, Mervin Garfield, Long Branch, N. J., 21 B
Humbird, James Elder, Cumberland, Md., 25 Chambers St.
Inch, Philip Louis, Washington, D. C., 52 Nassau St.
Keech, Theodore David, New York City, 31 William St.
King, Alfred Faris, New Brighton, S. I., N. Y., 19 Univ. Pl.
Koehler, Edward Julius, Cincinnati, O., 47 Univ. Pl.
LaForge, Frederick Burr, Bridgeport, Conn., 33 Van Deventer Av.
Larzelere, John Lach, Norristown, Pa., 15 Univ. Pl.
Lemon, Hal Yates, St. Joseph, Mo., 22 Van Deventer Av.
Loeb, Irwin J. S., Providence, R. I., 44 Mercer St.
Longcope, Thomas Moore, Jr., Lansdowne, Pa., 4 S W
McCreary, George Deardorff, Jr., Philadelphia, Pa., 36 Univ. Pl.
McFarlane, Alan, Chicago, Ill., 53 Univ. Pl.
McLean, Hector Allen, Duluth, Minn., 1 S W B
Malcolm, George Hoag, New York City, 138 Nassau St.
Mason, Walter Leonard, Brooklyn, N. Y., 12 Van Deventer Av.
Matter, John, Marion, Ind., 22 Van Deventer Av.

| | | |
|---|---|---|
| Morrell, Percy Eugene, | Elizabeth, N. J., | 47 U |
| Morse, Carl Kirtland, | Woodbury, N. J., | 47 Univ. Pl. |
| Munro, Henry Hume, | New York City, | 138 Nassau St. |
| Nickerson, John, Jr., | St. Louis, Mo., | 168 Nassau St. |
| Otis, Arthur Houghton, | Yonkers, N. Y., | 39 Nassau St. |
| Pardoe, William Dolton, | Princeton, N. J., | 28 Chambers St. |
| Patton, Paul Richard, | Princeton, N. J., | Prospect |
| Pelham, Alphonzo, | New York City, | 138 Nassau St. |
| Pettit, Robert, | Overbrook, Pa., | 19 Univ. Pl. |
| Pomeroy, Eugene Cowles, | Cleveland, O., | 53 Univ. Pl. |
| Preston, Charles Wesley, Jr., | Brooklyn, N. Y., | 138 Nassau St. |
| Raymond, Henry Jarvis, | Germantown, Pa., | 47 Univ. Pl. |
| Reimers, Raymond Denkmann, | Evanston, Ill., | 44 Mercer St. |
| Rue, John Davison, | Dutch Neck, N. J., | 8 Dickinson St. |
| St. John, Fordyce Barker, | Hackensack, N. J., | 40 Wiggins St. |
| Sanderson, Raymond, | Scranton, Pa., | 15 Van Deventer Av. |
| Sayen, William Henry, Jr., | Wayne, Pa., | 21 Dickinson St. |
| Sayles, Henry Boardman, | Elmira, N. Y., | 39 Nassau St. |
| Schmitz, Walter Lipphardt, | St. Louis, Mo., | 11 Van Deventer Av. |
| Scribner, Charles Edwin, | Boonton, N. J., | 14 Chambers St. |
| Shirk, John Hostetter, | Oregon, Pa., | 44 Van Deventer Av. |
| Sloan, Russell Robinson, | Brooklyn, N. Y., | 14 Dickinson St. |
| Smith, James Reynolds, | Beaver Falls, Pa., | 21 Chambers St. |
| Swan, Henry, | Biloxi, Miss., | 32 Wiggins St. |
| Tarbell, Swift, | New York City, | 21 Chambers St. |
| Tittmann, Charles Trowbridge, | Washington, D. C., | 36 Wiggins St. |
| Tobey, Earle Deyo, | Poughkeepsie, N. Y., | 162 Nassau St. |
| Towne, John D., | Evanston, Ill., | 39 Univ. Pl. |
| Tuttle, Frank Harrison, | Summit, N. J., | 168 Nassau St. |
| Tweedy, Lawrence Leslie, | Knickerbocker, Tex., | 32 Wiggins St. |
| Voorhees, James Dayton, | Camden, N. J., | 39 Van Deventer Av. |
| Voorhis, Charles D., | Paterson, N. J., | 33 Ed. Pl. |
| Walcott, Chester Howe, | Evanston, Ill., | 36 Univ. Pl. |
| Whitehead, Joseph Schofield, | Williamsburg, Pa., | 15 Dickinson St. |
| Wills, Ernest Chalkley, | Greenwich, Conn., | 21 Chambers St. |
| Wood, Harry Brookfield, | Bradford, Pa., | 33 Van Deventer Av. |
| Wylie, Sims Gill, | New York City, | 211 Nassau St. |
| Zeiss, Harold, | Chicago, Ill., | 19 Univ. Pl. |

## C. E. Course.

| | | |
|---|---|---|
| Adams, Griswold, | Erie, Pa., | 192 Nassau St. |
| Andrews, Harry Edgar, | New Bethlehem, Pa., | 33 Van Deventer Av. |
| Baker, Charles, Jr., | Columbus, O., | 162 Nassau St. |
| Barnes, John Sheldon, | Rockford, Ill., | 36 Univ. Pl. |
| Bond, Walter Carleton, | Toledo, O., | 36 Univ. Pl. |
| Bradfield, Charles Earl, | Barnesville, O., | 168 Nassau St. |
| Brown, George Martin, Jr., | Princeton, N. J., | Harrison St. |
| Butler, Harry Percival, | Croton Falls, N. Y., | 8 S Ed |
| Cass, Oscar David, | Denver, Col., | 15 Univ. Pl. |
| Clark, James Woolslayer, | Pittsburg, Pa., | 15 Dickinson St. |
| Coffin, Daniel Morison, Jr., | New York City, | 35 Univ. Pl. |
| Davis, Charles Henry, Jr., | Saginaw, Mich., | 35 Univ. Pl. |
| Davis, Morton Stewart Bowers, | Cooperstown, N. Y., | 13 S Ed |
| De Laney, William Hanford, | Binghamton, N. Y., | 15 Dickinson St. |
| Doellner, Albert Harry, Jr., | St. Louis, Mo., | 26 Ed. Pl. |
| Dunscombe, Roger, | New York City, | 31 Univ. Pl. |
| Ely, George Wells, Jr., | Columbia, Pa., | 21 B |
| English, Charles Clement, | Beverly, N. J., | 15 Univ. Pl. |
| Forbes, Gordon, | Morristown, N. J., | 36 Univ. Pl. |
| Freeman, Charles J., | Syracuse, N. Y., | 192 Nassau St. |
| Gaines, Albert Belding, Jr., | Englewood, N. J., | 35 Univ. Pl. |
| Green, Henry Sheldon, | Princeton, N. J., | 75 Prospect Av. |
| Greenwood, Joseph Rudd, | New York City, | 33 Ed. Pl. |
| Hamilton, Frank Arthur, | Pittsburgh, Pa., | 23 Ed. Pl. |
| Harden, William H., | Hightstown, N. J., | 12 N Ed. |
| Haskell, Fred Kibbe, | Bradford, Pa., | 34 Van Deventer Av. |
| Howard, Robert Coffin, | Millbrook, N. Y., | 34 Bank St. |
| Kafer, Joseph Dana, | Lawrenceville, N. J., | 20 S Ed. |
| Kerr, Dion Keith, | Washington, D. C., | 12 Van Deventer Av. |
| Kessler, Harry Clayton, Jr., | New York City, | 34 Van Deventer Av. |
| Liggett, Thomas, Jr., | Pittsburgh, Pa., | 30 Mercer St. |
| Lindenberg, Alvin Julius, | Cincinnati, O., | 39 Nassau St. |
| Lyons, Harold Chandos Clave, | New York City, | 14 Park St. |
| Mackenzie, Alexander, Jr., | New York City, | 14 Mercer St. |
| McMillan, Alexander, | Princeton, N. J., | 40 Bayard Lane |
| McMillan, Francis Conover, | Princeton, N. J., | 40 Bayard Lane |
| Martin, Farnham Battles, | Philadelphia, Pa., | 22 Ed. Pl. |

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|---|---|---|
| Moore, Frederick Wilson, | Erie, Pa., | 192 Nassau St. |
| Moore, Hubert, | Sewickley, Pa., | 34 Van Deventer Av. |
| Morrison, Victor Iago, | San Francisco, Cal., | 53 Univ. Pl. |
| Mumford, Thomas Pardon, | Detroit, Mich., | 5 N R |
| Nixon, Boyd, | Bridgeton, N. J., | 19 Univ. Pl. |
| Olds, Norman Eavy, | Fort Wayne, Ind., | 12 Park St. |
| Payne, Edward Duggan, | Duluth, Minn., | 32 Wiggins St. |
| Perry, Albert Curtis, | Worcester, Mass., | 15 Univ. Pl. |
| Pollard, William Harold, | Pottsville, Pa., | 39 Nassau St. |
| Prentiss, Stanton Greene, | Columbus, O., | 15 Univ. Pl. |
| Rhodes, Charles Borie, | Ardmore, Pa., | 19 Univ. Pl. |
| Richards, Charles Redner, | New York City, | 21 Chambers St. |
| Ridgway, Charles Dallas, Jr., | Jersey City, N. J., | 7 B |
| Rouse, John Gouldsmith, | Baltimore, Md., | 32 Wiggins St. |
| Schermerhorn, Robert Provost, | 938 Cartaret Av., | Trenton, N. J. |
| Sharp, Thurlow Rawson, | Hornellsville, N. Y., | 33 Edwards Pl. |
| Simpson, Charles Randolph, | Huntingdon, Pa., | 173 Nassau St. |
| Sousa, John Philip, Jr., | New York City, | 6 S R |
| Spencer, Frank Norton, | Toledo, O., | 15 Univ. Pl. |
| Stevenson, Thomas Kennedy, | Schenectady, N. Y., | 20 Library Pl. |
| Stevenson, Walker Woods, | Roselle, N. J., | 34 Van Deventer Av. |
| Steyn, Herbert Anderson, | Denver, Col., | 14 Park St. |
| Stickney, Henry, | Baltimore, Md., | 15 Univ. Pl. |
| Thurber, Edward Gerrish, | Detroit, Mich., | 12 Park St. |
| Townsend, Edward Davis, | Washington, D. C., | 10 N W |
| Turnbull, Archibald Douglas, | Morristown, N. J., | 39 Univ. Pl. |
| Tweedy, Andrew Mellick, | Knickerbocker, Tex., | 32 Wiggins St. |
| Upton, Curtis Perry, | Orange, N. J., | 27 Mercer St. |
| Van Zandt, Hubert, | Lawrenceville, N. J., | 18 S Ed |
| Wallace, William Lewis, Jr., | Orange, N. J., | 7 S Ed |
| Wallower, Edgar Zollinger, | Harrisburg, Pa., | 15 Dickinson St. |
| Walton, Rudolf Lawrence, | East Orange, N. J., | 7 B |
| Waring, Edward James, | Plainfield, N. J., | 144 Nassau St. |
| Weatherhead, Robert Henry, | Cincinnati, O., | 33 L |
| Wilson, Ralph Baker, | Palatka, Fla., | 24 Edwards Pl. |
| Wisner, Eugene Dutihl, | Summit, N. J., | 192 Nassau St. |
| Witte, Frederic Chase, | Trenton, N. J., | 14 Chambers St. |
| Wyeth, Nathaniel Jarvis, | Baltimore, Md., | 38 Wiggins St. |

SCIENTIFIC FRESHMEN, . . . . . 173

## SCHOOL OF SCIENCE SPECIALS.

| | | |
|---|---|---|
| Babson, Clifford Rea, | South Orange, N. J., | 16 B |
| Barnes, Hal, | Nanticoke, Pa., | 1 S D |
| Beaty, William Corwin, | Manzanola, Colo., | 10 E B |
| Bell, George Harrington, | Waterford, N. Y., | 69 U |
| Betz, John Frederick, 3rd, | Philadelphia, Pa., | 32 B |
| Bishop, Olin Sprague, | Adams, N. Y., | 191 Nassau St. |
| Bond, Walter Wilson, | Indianapolis, Ind., | 19 S M R |
| Brooks, Raymond, | Chicago, Ill., | 5 S W |
| Bunting, Thomas Newton, | Hamburg, N. Y., | 42 B |
| Caldwell, William Hardy, Jr., | New York City, | 6 S E B |
| Dawson, Dudley Bamber, | Boonton, N. J., | 14 Chambers St. |
| Deuel, Walker Rogers, | Chicago, Ill., | 27 M D |
| Forstall, James Jackson, | Chicago, Ill., | 4 N W |
| Forsythe, Robert Mills, | New York City, | 144 Nassau St. |
| Foster, Oscar Le Neve, | Denver, Colo., | 8 W M W |
| Hamilton, Albert Garfield, | Pittsburgh, Pa., | 23 Edwards Pl. |
| Heard, Frederick Dudley, | McKinney, Tex., | 199 Nassau St. |
| Heath, Norman Abajah, | Brooklyn, N. Y., | 70 U |
| Higgins, Charles Houchin, | Cheshire, Conn., | 9 S R |
| Horton, Daniel Slawson, | New York City, | 32 B |
| Hughes, Oliver B, | Long Branch, N. J., | 17 S W |
| Johnson, James Vandergrift, | Little Rock, Ark., | 21 Dickinson St. |
| Jones, Paul Townsend, | New York City, | 11 L P |
| Latham, Charles, Jr., | Indianapolis, Ind., | 1 N M R |
| Long, John Coleman, | Kansas City, Mo., | 20 N W |
| McClave, Roscoe Parke, | Cliffside, N. J., | 1 W M W |
| McClave, Stephen Wood, Jr., | Cliffside, N. J., | 1 W M W |
| Moore, Roger Brown, | Bayonne, N. J., | 134 Nassau St. |
| Muzzy, Herbert Thompson, | Paterson, N. J., | 9 U. |
| O'Neill, John Stephen, | Yonkers, N. Y., | 12 B |
| Paull, Alfred Singleton, | Wheeling, W. Va., | 15 U |
| Perry, John Moore, | Elmhurst, L. I., N. Y., | 16 M D |
| Phillips, Alfred Samuel, | Philadelphia, Pa., | 43 L |
| Prewitt, Ray Porterfield, | St. Louis, Mo., | 92 B |
| Ralph, Paul Justus, | New York City, | 3 W B |
| Rea, George Black, | Bryn Mawr, Pa., | 7 S D |

| | | |
|---|---|---|
| Roome, Clarence Sandford, | New York City, | 52 Nassau St. |
| Silsbee, Ralph, | Chicago, Ill., | 1 W W |
| Spaulding, Frank Douglas, | Burlington, Vt., | 19 N W |
| Steinmeyer, Charles Siebert, | Pittsburgh, Pa., | 110 Nassau St. |
| Vanderhoef, Francis Bailey, | New York City, | 66 Nassau St. |
| Waggaman, Floyd Pierpont, | Washington, D. C., | 82 B |
| Wilkins, Henry Blackstone, | Princeton, N. J., | 245 Nassau St. |
| Wrenn, Charles Lewis, | Cranford, N. J., | 83 B |

SCIENTIFIC SPECIALS, . . . . . 44

# GENERAL SUMMARY.

## OFFICERS OF INSTRUCTION AND ADMINISTRATION.

| | |
|---|---|
| Trustees, | 27 |
| Alumni Trustees, | 5 |
| Faculty and Instructors, | 101 |
| University Officers and Curators, | 15 |
| Fellows, | 16 |

## STUDENTS.

| | | |
|---|---|---|
| GRADUATE SCHOOL, | | 117 |
| ACADEMIC DEPARTMENT. | | |
| Senior Class, | 162 | |
| Junior Class, | 156 | |
| Sophomore Class, | 200 | |
| Freshman Class, | 212 | |
| Special Students, | 30 | |
| | | 760 |
| JOHN C. GREEN SCHOOL OF SCIENCE. | | |
| Electrical School, | 5 | |
| Senior Class, | 72 | |
| Junior Class, | 73 | |
| Sophomore Class, | 110 | |
| Freshman Class, | 173 | |
| Special Students, | 44 | |
| | | 477 |
| Total for the year 1901–1902, | | 1354 |

# SUMMARY OF STUDENTS BY STATES.

| | | | |
|---|---|---|---|
| Pennsylvania, | 345 | Nebraska, | 5 |
| New Jersey, | 322 | West Virginia, | 5 |
| New York, | 236 | Arkansas, | 4 |
| Illinois, | 60 | Oregon, | 3 |
| Ohio, | 55 | Maine, | 3 |
| Maryland, | 48 | Florida, | 3 |
| Missouri, | 34 | Montana, | 2 |
| Indiana, | 25 | Rhode Island, | 2 |
| District of Columbia, | 24 | California, | 2 |
| Connecticut, | 18 | Vermont, | 2 |
| Kentucky, | 14 | Louisiana, | 1 |
| Texas, | 13 | North Dakota, | 1 |
| Michigan, | 12 | Washington, | 1 |
| Minnesota, | 12 | Georgia, | 1 |
| Massachusetts, | 12 | Utah, | 1 |
| Colorado, | 11 | North Carolina, | 1 |
| Iowa, | 10 | British Isles, | 4 |
| Tennessee, | 9 | Turkey, | 3 |
| Wisconsin, | 8 | Japan, | 1 |
| Delaware, | 7 | China, | 1 |
| Virginia, | 7 | Germany, | 1 |
| Kansas, | 6 | Holland, | 1 |
| South Carolina, | 6 | Egypt, | 1 |
| Mississippi, | 5 | Canada, | 1 |
| Alabama, | 5 | | |
| | | | 1354 |

# ABBREVIATIONS.

N, Nassau Hall.
N W, North Entry, West College.
S W, South Entry, West College.
N R, North Entry, Reunion Hall.
S R, South Entry, Reunion Hall.
N M R, North Middle Entry, Reunion Hall.
S M R, South Middle Entry, Reunion Hall.
E W, East Entry, Witherspoon Hall.
W W, West Entry, Witherspoon Hall.
E M W, East Middle Entry, Witherspoon Hall.
W M W, West Middle Entry, Witherspoon Hall.
N Ed, North Entry, Edwards Hall.
S Ed, South Entry, Edwards Hall.
U, University Hall.
N D, North Entry, Albert B. Dod Hall.
M D, Middle Entry, Albert B. Dod Hall.
S D, South Entry, Albert B. Dod Hall.
E B, East Entry, David Brown Hall.
W B, West Entry, David Brown Hall.
S E B, South East Entry, David Brown Hall.
S W B, South West Entry, David Brown Hall.
U P, Upper Pyne Building.
L P, Lower Pyne Building.
B, Blair Hall.
L, Stafford Little Hall.
A S, Alexander Hall, Seminary.
B S, Brown Hall, Seminary.
H S, Hodge Hall, Seminary.

# DIRECTORY

## OF OFFICERS AND STUDENTS IN ALL DEPARTMENTS OF THE UNIVERSITY.

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The name of every officer is printed in SMALL CAPITALS.

The names of students are followed by the designation of their several classes (g., Graduate Student; Sr., Senior; Jr., Junior; So., Sophomore; Fr., Freshman; Sp., Special Student; 2, second year; 1, first year); the name of each student is followed also by an abbreviation indicating the department to which he belongs, viz, *a.*, Academic Department; *s.*, The John C. Green School of Science; *e.*, The School of Electrical Engineering.

The abbreviations of the residences of officers and students are found on the preceding page.

Abbott, M. L., *Sr. a* 46 L
Abbott, W. H., *Sp. a* 18 N W
Ackley, L. A., *Fr. a* 40 Wiggins St.
Adaire, A., *So. a* 14 S D
Adams, C. H., *Fr. a* 10 S Ed
Adams, C. H., Jr., *Jr. a* 86 Nassau St.
Adams, F., Jr., *So. a* 17 E W
Adams, G., *Fr. s* 192 Nassau St.
Adams, N., *Sr. a* 11 L
Adler, D., Jr., *Fr. a* 2 Nassau St.
Adsit, H., *Sr. a* 51 B
Adsit, L. M., *So. s* 51 B
Ahrens, W. B., *So. s* 13 W W
Aikin, W. P., *Sr. a* 32 Mercer St.
Alderfer, G. C., *So. a* 4 N D
Alexander, A. S., *Sr. a* 5 W M W
ALEXANDER, C. B., *Trustee*, New York City
Alexander, F. B., *Jr. a* 3 L P
ALEXANDER, J. W., *Trustee*, New York City
Alexander, J. W., *Sr. a* 13 S M R
Aldrich, W. M., *Sr. s* 12 E B
Allen, J. S., *So. s* 4 L P
Altland, M. J., *Fr. s* 19 N Ed
Ameli, H. W., *Jr. a* 5 W B
Ames, A. S., *Fr. s* 22 Edwards Pl.
Ames, J. C., *So. s* 10 N D
Ames, J. W., *Jr. s* 22 L
Anders, S. A., *Jr. a* 12 N D
Anderson, R. E., *Jr. s* 275 Nassau St.
Anderson, R. P., *Jr. a* 14 S M R
Andrews, C., Jr., *Jr. a* 72 B
Andrews, H., *Jr. a* 15 U P
Andrews, H. B., *So. a* 79 U
Andrews, H. E., *Fr. s* 33 Vandeventer Av.
Angus, J. C., *So. a* 15 S R
Annewalt, E. F., *Sr. a* 4 W M W
Anthony, R. W., *Sr. a* 8 S M R
Applegate, E. T. R., Jr., *Sr. s* 2 S W B
Applegate, G. G., *Sr. s* 12 S E B
Applegate, T. E., *Sr. s* 2 S W B
Archer, P., Jr., *So. s* 16 N W
Argersinger, J. P., *Sr. s* 12 L
Armitage, E. S., *So. s* 10 S E B
Arms, G. W., Jr., *So. a* 21 Dickinson St.
Armstrong, E. M., *So. a* 5 S W B

Armstrong, H. H., *Fr. s* 17 S W
Armstrong, J. G., *Jr. a* 5 S W B
Armstrong, S. H., *Jr. a* 9 L P
Armstrong, W. C., *So. a* 9 L P
Ashley, D. V., *So. a* 10 S W B
Ashley, M., *Jr. s* 11 W W
Ashmead, H. C., *Jr. s* 9 N M R
Atwater, E. S., Jr., *So. a* 76 U
Atwood, J. B., *Fr. s* 9 U
Auerbach, J. H., *Fr. a* 5 L P
Augur, W. B., *g* 103 H S
Austin, D. M., *So. a* 37 N Ed
AUSTIN, H. D., *Instructor*, 11 B
AXSON, S., *Asst. Professor*, 10 Nassau St.
Babson, C. R., *Sp. s* 16 B
Babson, S. G., *Sr. s* 53 B
Bailie, J. W., Jr., *Sr. s* 71 L
Bailie, T. S., *Sr. a* 71 L
Baird, D., Jr., *Jr. s* 74 B
Baker, A. T., *Fr. a* 18 M D
Baker, C., Jr., *Fr. s* 162 Nassau St.
Baker, H. P., *So. a* V, U
Baker, J. W., *So. a* 13 N D
Bakewell, G. C., *So. s* 13 N M R
Baldwin, H. O., *g* 37 S Ed
Baldwin, H. V., *Fr. s* 33 Vandeventer Av.
BALDWIN, J. M., *Professor*, 38 Stockton St.
Banigan, J. B., *Fr. s* 33 Vandeventer Av.
Banigan, L., *So. a* O, U
Banning, W. H., *Sr. a* 172 Nassau St.
Bardwell, A. E., *Fr. a* 5 S M R
Barkley, E. C., *So. a* 12 N W
Barnes, H., *Sp. s* 1 S D
Barnes, J. S., *Fr. s* 36 Univ. Pl.
Barnes, R. B., *Jr. a* 52 L
Barnhart, F. P., *Sr. a* 3 S W
Barnhill, O. P., *g* 117 H S
Barr, D. G., *So. a* 32 N Ed
Barr, W. G., *Jr. a* 71 B
Barron, A. J., *Sr. a* 11 N D
Barron, E. T., *So. a* 74 B
Barton, S. A., *Jr. a* 54 L
Bates, C. T., *So. a* 64 U
Batten, J. Z., *So. a* 2 Nassau St.
Bauerdorf, C. R., *Jr. s* D, U
Bayles, F. W., *Jr. s* 276 Nassau St.
Baylis, W., Jr., *Jr. a* 8 L P
Beal, G. H., *Jr. a* 7 S R
Beale, W. T. M., *g* 403 H S
BEAM, J. N., *Instructor*, 13 L
Beaty, W. C., *Sp. s* 10 E B
Belden, A. C., *Fr. s* 33 U P
Bell, G. H., *Sp. s* 69 U
Bergland, E. L., 1 *e* 42 B
Bergner, W. S., *Sr. a* 11 L
Betz, J. F., 3d, *Sp. s* 32 B
Beury, C. E., *Jr. a* 6 E B
Beymer, A. F., *So. s* 9 N R
Biddle, A. G., *Fr. a* 11 Vandeventer Av.
Bigelow, J. O., *Fr. a* 39 Vandeventer Av.
Bingham, D. S., *Jr. a* 15 S D
Bishop, O. S., *Sp. s* 191 Nassau St.
Bispham, G. T., Jr., *So. a* 112 Nassau St.
Bissell, L. G., *So. a* 3 N Ed
Black, A., *Sr. s* 52 Nassau St.
BLAIR, D. C., *Trustee*, Belvidere, N. J.
Blair, H. E., *g* 315 H S
Blair, J. I., 3d, *Fr. a* 19 Univ. Pl.
Blair, R. A., *g* 33 B S
Blakeman, F. T., *Fr. a* 35 Univ. Pl.
Blakeman, W. H., *Jr. a* 9 E M W
Bleakley, F. J., *So. s* 8 E B
Bleakley, O. L., *Sr. s* 24 B
Blossom, D. B., *Jr. s* 4 S W B
Bodine, J., *Fr. a* 60 Univ. Pl.
Bogart, M. T., *g*
Bogert, C., *So. a* 73 U
Boggs, H. A., *g* 403 H S
Boggs, N. T., *So. a* 73 U
Bond, J. J., *Fr. a* 21 Chambers St.
Bond, W. C., *Fr. s* 36 Univ. Pl.
Bond, W. W., *Sp. s* 19 S M R
Bonner, D. E., *Sr. s* 7 U
Bonsall, J. M., *Sr. s* 53 B
Booth, S. B., *So. a* E, E B
Boswell, A. C., *Fr. s* 172 Nassau St.
Bours, W. A., Jr., *So. a* 17 N W
Bowers, W. C., *So. a* 11 N W
Bowlby, H. L., *g* 10 N H
Bowman, W. P., *Fr. a* 23 William St.
Bowyer, J. McC., *So. s* 30 U
Boyd, A. B., *Sr. a* 4 S W
Boyd, J. T., *So. a* 14 S D
Boyd, J. W., *Jr. a* 3 E M W
Boyer, C. V., *Sr. s* 12 E W
BRACKETT, C. F., *Professor*, 4 Prospect Av.

Bradfield, C. E., *Fr. s* 168 Nassau St.
Bradley, A. C., *So. s* 50 U
Bradley, C. H., *Sr. a* 66 L
Bradley, H. H., *So. s* 2 Nassau St.
Bradley, H. M., *So. a* 8 N M R
Bradshaw, W. M., *Fr. a* 190 Nassau St.
Brewer, W. C., *g* 77 B S
Brewster, J. R., *Fr a* 18 S M R
Bright, S., *Sr. a* 4 B
Brokaw, G. T., *Sr. a* 8 E W
Brokaw, P., *1 e* 31 B
Brokaw, R., *So. a* 84 B
Brooks, C. A., *Fr. a* 32 Wiggins St.
BROOKS, J. M., *Instructor*, 2 W W
Brooks, N. R., *Fr. a* 53 L
Brooks, R., *Sp. s* 5 S W
Brooks, W. E., *g* 415 H S
Brosius, L. G., *Fr. s* 15 Dickinson St.
Brower, C. de H., Jr., *Fr. a* 2 L P
Brown, A. H. Jr., *Fr. s* 44 Wiggins St.
Brown, C. F., *Fr. a* 53 Univ. Pl.
Brown, C. P., *Fr. a* 36 Univ. Pl.
Brown, E. C., *So. s* 17 W W
Brown, F. L., *Fr. a* 44 Vandeventer Av.
Brown, F. V., *So. s* 11 E B
Brown, G. M., Jr., *Fr. s* Harrison St.
Brown, S. V., *Sr. s* 1 L P
Brownlee, J. D., Jr., *Jr. a* 6 E B
Brush, R. G., *Sr. a* 23 William St.
Bubb, G., *Jr. s* 83 Prospect Av.
Buchanan, C. McC., *Sr. a* 14 L
Buchanan, J. M., *So. s* 8 N M R
Bulkley, H. D., *So. a* 46 U
Bunton, H. R., *Sr. s* 52 Nassau St.
Burchfield, W. H., *Sr. s* 12 S W B
Burdick, C. K., *So. a* 195 Nassau St.
Bunting, T. N., *Sp. s* 42 B
Burgess, J. S., *Fr. a* 29 S Ed.
Burkam, R. G., *So. a* 9 B
Burke, T. J., *Fr. a* 2 S W
Burrell, E. L., *So. a* 5 E M W
Burslem, G., *g* 31 A S
Burt, M. S., *Sp. a* 114 Nassau St.
Burtis, C. B., *So. a* 2 L P
Bush, E., *Jr. s* 4 S R
Butkiewicz, T. A., *So. a* 138 Nassau St.
Butler, E. H., *So. a* 35 S Ed
Butler, H. P., *Fr. s* 8 S Ed

BUTLER, H. C., *Lecturer*, 14 Nassau St.
Buyers, W. B., *So. a* 10 N
Buzby, S., *Fr. s* 2 Nassau St.
Byles, A. J., *Jr. s* 12 E W
BYRNE, L., *Fellow*, 11 N Ed
Cadenas, T. R., *Jr. s* 12 B
CADWALADER, J. L., *Trustee*, New York City
Cadwalader, L., *Fr. a* 7 N D
Cady, S. M., *Sr. a* 10 N R
Caldwell, W. H., Jr., *Sp. s* 6 S E B
Callan, G., *Fr. a* 39 Univ. Pl.
CAMERON, A. G., *Professor*, 94 Bayard Lane
CAMERON, H. C., *Professor*, 34 Mercer St.
Camp, C. W., *Sr. a* 2 E B
Campbell, C., *Sr. a* 51 L
Campbell, J. J., Jr., *Jr. s* 8 E B
Campbell, W. J., *g* 101 H S
Canby, W. P. J., *Sr. s* 7 W M W
Candee, R., *Jr. a* 7 S W
Candor, J. G., *Sr. a* 38 L
Carman, T. D., *Sr. a* 31 L
Carmichael, D. S., *g* 34 A S
Carney, P. W., *Sr. a* 6 W W
Carr, S. N., *Jr. a* 7 E W
Carroll, A. H., *Fr. a* 15 Dickinson St.
Carrott, O. B., *Sr. a* 5 E B
Carson, H. C., *Sr. a* 94 B
CARTER, J. B., *Ass't. Professor*, 14 N D
Carter, J. N., *So. a* 14 N W
Carter, P. B., *Fr. a* 14 Park St.
Carter, T. F., *So. a* C, E B
Carton, A. T., *Fr. a* 33 Edwards Pl.
Casper, J., *Sr. s* 3 E W
Cass, C. A., *Sr. a* 15 L
Cass, O. D., *Fr. s* 15 Univ. Pl.
Cassidy, J. P., *Jr. a* 12 W B
Cassilly, R. R., *Jr. s* B, U
Cassilly, T. A., *So. s* B, U
Catlin, S., *Fr. s* 4 M D
Cecil, J. H., *So. a* 2 Nassau St.
Cecil, R. L., *Sr. a* 9 E B
Chamberlin, W. B., Jr., *Jr. a* 44 B
CHAMBERS, D. L., *Ass't.*, 6 S D
Chambers, R. N., *So. a* 31 S Ed
Chandlee, E. G., Jr., *Fr. s* 15 Univ. Pl.

Chapman, J., *So s* 16 N W
Chauvenet, R., 2nd, *So. s* 11 S D
Cheney, G. H. P.. *Jr. a* 5 M D
Childress, A., *Jr. a* 52 L
Chisholm, A. T., *Sr. a* 7 U
Christie, J. W., *So. a* 14 M D
Churchman, C. R., *So. a* 11 S W
CHURCHMAN, P. H., *Instructor*, 5 S E B
Clancy, J. McF., *Jr. s* 10 M D
Clapp, F. W., *Sr. a* 72 L
Clapp, J. H., *Sr. s* 6 N D
Clark, H. F., *So. a* 2 E W
Clark, I. W., *Sr. s* D, W B
Clark, J. W., *Fr. s* 15 Dickinson St.
Clark, K. S., *Fr. a* 14 Dickinson St.
Clark, T. F., *Fr. a* 32 Mercer St.
Clark, W. A., *So. a* 9 N R
Clark, W. D., *So. a* 40 Nassau St.
Clarke, D., Jr., *Fr. a* 33 Edwards Pl.
Clayton, J. C., *Fr. s* 204 Nassau St.
CLEVELAND, G., *Trustee*, Princeton
Cline, F. C., *So. s* 136 Nassau St.
Close, G. F., *Jr. a* 10 S W
Cochran, D. H., *Sr. s* 9 W M W
Cochran, G. I., *So. s* 3 B
Cochran, P., *g* H, U
Coffin, D. M., Jr., *Fr. s* 35 Univ. Pl.
Cole, B., *Jr. s* 2 E M W
Cole, M. D., *So. a* 10 W W
Coleman, A. W., *Sr. a* 21 L
COLLINS, V. L., *Ref. Librarian*, 24 Bank St.
Colwell, J. I., *So. a* 33 B
COLWELL, P. R., *Instructor*, 33 B
Condict, H. K., *Sr. s* 17 M D
Condit, A, K., *Sr. a* 10 N R
CONEY, J. H., *Ass't. Professor*, 4 Nassau St.
Conklin, L. H., *So. s* 38 U
Conrad, J. S., *Jr. a* 15 B
Conwell, G. M., *Fr. a* 37 N Ed
Cook, J. W., *So. a* 15 S W
Cook, M. J., *So. a* 28 N Ed
Cooke, L. H., *Sr. a* 21 L
Coolbaugh, K. McP., *Jr. a* 83 Prospect Av.
Cooper, H. M., *Jr. s* 73 B
Cooper, J, F., *Sr. a* 12 E B
Coover, C., *Fr. a* 18 M D
Corkran, L. G., *So. a* 21 M D
Cormany, W. B., *So. s* 17 N W
Cornwall, E. B., *Fr. a* 51 Nassau St.
CORNWALL, H. B., *Professor*, 51 Nassau St.
Corson, A., *So. a* 38 Wiggins St.
Corson, A., *Sr. a* 38 Wiggins St.
Cosgrave, W. B., *So. s* 13 N M R
Couch, G. S., Jr., *Jr, a* 14 B
Coughlin, G. H., *Fr. a* 34 Vandeventer Av.
Coulter, W. A., *Jr. s* 23 B
COVINGTON, H. F., *Ass't. Professor*, 65 B
COWEN, J. K., *Trustee*, Baltimore
CRAIG, H., *Instructor*, 34 L
Crampton, G. C., *So. a* 40 Wiggins St.
Crane, J. S., *So. s* 14 S Ed
Crane, W. S., *g* 7 Chestnut St.
Crary, R. P., *So. a* 136 Nassau St.
CRAVEN, E. R., *Trustee*, Philadelphia
Crawford, J., Jr., *Jr. s* 95 B
Crawford, K. B., *Fr. a* 24 Chambers St.
Crocker, R. S., *So. a* 9 W W
Crosby, W. S., Jr., *So. s* 31 Vandeventer Av.
Cunningham, T. D., *Sr. a* 19 W W
Curtis, E. A., *Fr. a* 24 M D
Curtis, F. L., *Sr. s* 12 S E B
Curtis, O., *Fr. a* 24 M D
Curtiss, G. W., *Sr. s* 8 W M W
Curran, G., *Sr. a* 35 L
Cushman, R. P., *Fr. a* 36 Univ. Pl.
CUYLER, C. C., *Trustee*, New York City
Daddow, S. H., *Fr. a* 39 Nassau St.
DAHLGREN, U., *Ass't Professor*, 12 Maple St.
Dana, J. S., *Jr. a* 81 B
Danby, H. G., *Fr. s* 138 Nassau St.
Daniel, L. L., *Jr. a* 12 S Ed
DANIELS, W. M., *Professor*, 210 Mercer St.
Darrow, C. W., *Jr. a* 19 S W
Daugherty, R., *So. a* 11 N M R
David, T. B., *Sr. s* 16 L
Davidson, M. H., *Fr. s* 138 Nassau St.
Davies, J. P., *Jr. s* 110 Nassau St.
Davis, B. L., *So. s* 63 U
Davis, C. H., Jr., *Fr. s* 35 Univ. Pl.
DAVIS, J. D., *Trustee*, St. Louis
Davis, M. S. B., *Fr. s* 13 S Ed

Davis, R. T., *Fr. s* 17 N W
Dawkins, C. C., *Fr. a* 31 Alexander St.
Dawson, D. B., *Sp. s* 14 Chambers St.
Day, D. J. S., *So. a* 18 S M R
Dayton, D. D., *Sr. a* 8 S E B
Dear, A. T., *Jr. a* 97 B
Decker, H. K., *Jr. a* 53 L
Decker, S. S., Jr., *So. s* W, U
Deen, C., *Fr. a* 32 U
Defrees, P. T., *Sr. a* 12 N M R
De Laney, W. H., *Fr. s* 15 Dickinson St.
De Mange, R. C., *So. s* 138 Nassau St.
Demaree, V. B., *g* 406 H S
Denison, J. M., Jr., *So. s* 66 Nassau St.
Dennis, H., *So. s* 39 U
De Ridder, J. H., *Fr. a* 22 Vandeventer Av.
De Ronde, P., *Fr. a* 2 L P
Detwiler, W. S., *Jr. a* 21 B
Deuel, W. R., *Sp. s* 27 M D
Devereux, W. B., Jr., *So. s* 2 S E B
Devereux, W. G., *So. s* 2 S E B
Devilbiss, R. B., *g* 6 Chestnut St.
De Witt, J. R., *So. a* 82 B
Dexter, L. E., *So. s* 69 U
Dickinson, H., *Fr. s* 44 Vandeventer Av.
Dickinson, S. M., *Fr. s* 7 N D
Diefenderfer, A. L., *So. a* 25 M D
Dinsmore, F. W., *So. s* 11 S W
Dixon, G. D., Jr., *So. s* 7 S D
DIXON, J., *Trustee*, Trenton, N. J.
Doane, B. V., *So. a* 4 S Ed
Dobson, D. N., *g* 59 B S
DOD, S. B., *Trustee*, Hoboken, N. J.
Dodd, A. B., *g* 203 H S
Dodd, H. M., *So. s* 17 U
Dodd, J. H., *Sr. a* 6 N R
Dodd, T. N., *Fr. a* 19 S. Ed
Doe, C. L., *Jr. s* 63 B
Doellner, A. H., Jr., *Fr. s* 26 Edwards Pl.
Doltz, P., *g* 27 A S
Donald, N. H., *Jr. a* 9 B
Dong, S., *Fr. a* 35 N Ed
DOUGLASS, E., *Fellow*, 27 S Ed
Downer, J., *So. s* 8 N R
Doyle, D. B., *Fr. a* 15 Univ. Pl.
Drake, E. B., Jr., *Sp. a* 34 Vandeventer Av.
Drayer, G. P., *So. s* 11 S E B
Duff, J. H., *So. a* K, U
Duffield, G. B., *So. a* 45 Nassau St.
DUFFIELD, H. G., *Treasurer*, Univ. Offices
Duffield, S. K., *Fr. a* 23 Univ. Pl.
Dugro, C. H., *Jr. a* 4 B
Dulles, J. B., *So. a* G, U
Duncan, D. K., *Fr. a* 39 Univ. Pl.
Duncan, R. P., *Fr. a* 162 Nassau St.
Dunham, F. H., *Fr. a* 47 Univ. Pl.
Dunlap, M. P., *Fr. a* 33 N Ed
Dunning, J. C., *g* Lawrenceville
Dunning, L. M., *Fr. a* 39 Nassau St.
Dunscombe, R., *Fr. s* 31 Univ. Pl.
Durham, D. B., *Fr. a* 64 U
Dusenbury, W. A., *Sr. a* 26 M D
Duvall, R. G., *Fr. a* 39 Vandeventer Av.
Earle, D. P., *Fr. s* 45 Vandeventer Av.
Eaton, G. F., Jr., *Sr. s* 33 L
Eckhardt, R. C., *Jr. a* 15 E W
Eddy, J. G., *Jr. s* 43 B
Edgar, A. J., *Sp. a* 21 S Ed
Edge, W. W., *g* 46 B S
Edwards, D. W., *So. a* 3 N Ed
EISENHART, L. P., *Instructor*, 63 L
Eisenhart, M. H., *Fr. s* 11 Bank St.
Elkins, B., *Fr. s* 52 B
Elliot, W. M., *Fr. a* 21 Dickinson St.
Ellis, G. W., *Fr. a* 41 S Ed
Ely, A., Jr., *Fr. a* 5 L P
Ely, G. W., Jr., *Fr. s* 21 B
Ely, R., *Sr. a* 20 W W
English, C. C., *Fr. s* 15 Univ. Pl.
Erdman, C. M., *Sr. a* 2 S D
Erdman, W. C., *g* 13 A S
Euwer, E. C., *Fr. a* 13 M D
Evans, W. E., *Sr. a* 8 S M R
Ewing, W. K., *So. a* 15 B

Faber, G. W., *Jr. a* 9 S R
Fairbanks, F. C., *Jr. a* 83 Prospect Av.
Fales, M. S., *Fr. a* 27 N Ed
FARR, M. S., *Assistant*, 29 Vandeventer Av.
Fayerweather, C. S., *Fr. s* 7 B
Fellows, E. P., *So. a* C, E B
Fernald, G., *Sp. a* 95 B
Ferrell, D. H., *g* 15 A S
Ferris, E. F., Jr., *Fr. a* 2 S Ed

Field, J. C., *Jr. s* 7 S M R
FINE, H. B., *Professor*, 49 Library Pl.
FINLEY, J. H., *Professor*, 90 Bayard Lane
Finney, J. C., *Jr. a* 14 N M R
Fisher, A. J., *g* 29 A S
Fisher, H. F., *g* 31 B
Flagg, H. H., *Fr. s* 39 Vandeventer Av.
Fleming, O. H., *So. s* 79 U
Fogel, P. H., *g* 27 William St.
Forbes, G., *Fr. s* 36 Univ. Pl.
Forman, W. P., *Fr. s* 162 Nassau St.
Fornance, J. K., *So. a* 10 S W B
Forney, J. A., *Fr. s* 31 B
Forstall, J. J., *Sp. s* 4 N W
Forsythe, H. H., *g* 401 H S
Forsythe, R. M., *Sp. s* 144 Nassau St.
Foster, O. L., *Sp. s* 8 W M W
FOSTER, W., Jr., *Instructor*, 19 B
Foulke, W. L., *Fr. a* 19 Univ. Pl.
Fowler, E. A., *Sr. a* E, E B
Fox, C. L., *So. a* C, U
Fox, F. B., *Fr. a* 42 Wiggins St.
Fox, G., Jr., *So. s* 5 S W
Frank, A. G., *g* 150 Alexander St.
Frankel, H., *So. s* 54 B
Franklin, C. M., *Sr. a* 9 E M
Franklin, S., *Jr. a* 83 B
Franklin, W. H., *Fr. a* 9 E B
Fraser, M., *Jr. a* 43 L
FRAZER, D. R., *Trustee*, Newark, N. J.
Frederick, K. T., *Jr. a* 13 B
Freeman, C. J., *Fr. s* 192 Nassau St.
Freeman, H. G., *Jr. a* 92 B
Freeman, W. C., Jr., *Fr. s* 31 Univ. Pl.
Frelinghuysen, P. H. B., *So. a* 7 L P
Frick, C., *Fr. s* 47 Univ. Pl.
Frost, J. H., *Sr. s* 11 N D
Frost, J. M., *Jr. s* 8 S W B
FROTHINGHAM, A. L., Jr., *Professor*, Hodge Av.
Fuller, H. M., *Fr. a* 47 Univ. Pl.
Funk, J. C., *Fr. a* 18 E W
Furst, J. C., *Fr. a* 15 Dickinson St.
Gaines, A. B., Jr., *Fr. s* 35 Univ. Pl.
Galt, A., *Jr. s* 22 L
Gamble, C. H., *Fr. a* 33 Edwards Pl.
Gantz, G. C., Jr., *Fr. a* 45 Univ. Pl.
Garbrick, C. A., *Jr. a* 1 S M R
Gardner, A. S., *Fr. a* 138 Nassau St.
Garretson, L. B., *Jr. a* 23 U P
Garrison, C., *So. a* 5 S R
Garrison, R. A., *Fr. a* 7 B S
Gaskins, P. L., *Fr. s* 32 Wiggins St.
Gaw, H. L., 3rd, *Fr. s* 33 Edwards Pl.
Gephart, W. H., *Sr. a* 18 W W
GERHARD, E. S., *Fellow*, 16 S Ed
Gibby, H. J., *So. a* 194 Nassau St.
Giffen, B. J., *g* 415 H S
Gilchrist, J. P., *Fr. a* 138 Nassau St.
Gilchrist, R. A, *Fr. a* 7 B S
Gill, P. L., *Fr. a* 47 Univ. Pl.
GILLESPIE, W., *Instructor*, 10 Nassau St.
Gilmer, J. T., *Sr. s* 12 L
Gilmore, W. B., *Sr. s* 13 S D
GLASSMEYER, E., *Instructor*, 10 W M W
GOLDIE, G., *Director of Gymnasium*, 35 Univ. Pl.
Goldsmith, G. M., *Fr. a* T, U
Gordon, J. D., *Fr. a* 39 Vandeventer Av.
Gordon, R. C., *Sr. a* 26 M D
Gordon, W. W., *So. s* T, U
Gorman, D., *Jr. s* 62 B
Graham, D. B., *Sr. a* 5 E M W
Graham, E. A., *So. a* 5 E M W
Granger, F. S., *Fr. s* 32 Wiggins St.
Grannis, U. B., *Jr. s* 86 Nassau St.
GRAY, L. H., *Instructor*, Univ. Library
Green, F. B., *Jr. a* 75 Prospect Av.
Green, G. R., *Fr. a* 39 N Ed
Green, H. S., *Fr. s* 75 Prospect Av.
GREEN, H. W., *Trustee*, Trenton, N. J.
Green, W. E., *Sr. s* 20 E W
Greene, H., *Jr. s* 9 E M W
Greenwood, J. R., *Fr. s* 33 Edwards Pl.
Griffith, A. C., *Sp. a* 47 Univ. Pl.
Griffith, M. E., *Fr. a* 38 Nassau St.
Griggs, C. J., *So. a* 9 S M R
Griggs, D. C., *Fr. a* 44 Vandeventer Av.
Grimes, J. L., *Fr. s* 1 S E D
GRISWOLD, L., *Fellow*, 22 Dickinson St.

Griswold, L. C., *Jr. a* A, B
Gross, A., *Jr. s* 11 N Ed
Guernsey, E. W., *Sr. a* 8 S W
Guile, H. V., *Jr. s* 5 S D
Guy, T. R., *g* 300 H S
Hack, O. A., *Jr. a* 6 W B
Hagar, F. K., *So. a* 67 U
Hague, W. E., *So. s* 1 S W
Hale, T., *Sr. a* Mercer Heights
Hall, C. W., *Jr. a* 3 E M W
Halliday, H. B., *Fr. a* 172 Nassau St.
Hallquest, A. L., *g* 409 H S
Hamblen, A. A., *Fr. a* 17 S Ed
Hamilton, A. G., *Sp. s* 23 Edwards Pl.
Hamilton, D. C., *Fr. s* 54 B
Hamilton, F. A., *Fr. s* 23 Edwards Pl.
Hamlin, L. M. M., *Jr. a* 4 E B
Handy, S. S., *g* Hightstown, N. J.
Hankinson, J. H., *Jr. a* 6 N W
Harby, R. D., *So. a* E, U
Harden, W. H., *Fr. s* 12 N Ed
Hardenbergh, T. E., Jr., *So. s* 195 Nassau St.
HARDING, M. L., *Fellow* 27 S Ed
Hardman, C. B., *Sr. a* 8 S W
Hare, D. H., *g* 17 A S
Harle, H. C., *Fr. s* 39 Univ. Pl.
HARPER, G. M., *Professor*, 36 Mercer St.
Harrah, M. K., *Fr. s* 138 Nassau St.
Harrington, G. B., *Sr. s* 16 U
Harris, H., *Fr. a* 60 Univ. Pl.
Harris, H. F., *Jr. s* 16 M D
HARRIS, W. B., *Professor*, 280 Nassau St.
Hart, H. R., *Fr. a* 112 Nassau St.
Hart, P. G., *Fr. a* 60 Univ. Pl.
Hartman, W. L., *So. a* 28 N Ed
Harvey, T. W., Jr., *Fr. s* 22 Edwards Pl.
Haskell, F. K., *Fr. s* 34 Vandeventer Av.
Hata, S., *g* 14 A S
Hatch, A. P., *Fr. s* 172 Nassau St.
Hauxhurst, H. A,, *Sr. s* F, U
Havens, E. H., *Jr. a* 9 E W
Havens, F. C., *Fr. a* 9 E W
Hawley, P. E., *Jr. a* 98 B
Hayden, H. E. Jr., *Fr. a* 41 Univ. Pl.
Haynes, C. L., *Jr. s* 8 E M W
Hosack, J. K., *So. a* K, U
Hazelhurst, A., Jr., *So. a* 138 Nassau St.
Heard, F. D.. *Sp. s* 199 Nassau St.
Heard, J. J., *So. a* 13 M D
Heath, N. A., *Sp. s* 70 U
Hedges, R. C., *Jr. s* 3 M D
Heisler, W. H., Jr., *Fr. a* 24 Chambers St.
HELM, N. W., *Instructor*, 13 L
Helm, T. L., *So. a* 138 Nassau St.
Hench, S. R., *So. a* 21 B
Hendricks, B. Q., *Sr. a* 15 N D
Henley, J. C., Jr., *Sr. a* 15 N D
HENRY, B., *Trustee*, Philadelphia
Henry, C. P., *Fr. s* 2 S Ed
Henry, H. H., *So. a* 13 S W
HENRY, J. A., *Trustee*, Philadelphia
Henry, P. H., *So. a* 14 S W
Henson, H. B., *So. a* 7 S W B
Herndon, H., *Sr s* 9 M D
Herr, O. A., *Fr. a* 41 N Ed
Herr, W.D ., *Jr. a* 13 N Ed
Herrmann, R. E.. *So. s* 5 N D
Herron, D. C., *Sr. a* 19 M D
Hewitt, C. C., *Jr. a* 12 U
HIBBEN, J. G., *Professor*, 62 Washington Road
Hibben, P. P., *Jr. a* 9 S W B
Hickok, R. V., *g* 21 A S
Higginbottom, S., *Sp. a* 16 Witherspoon St.
Higgins, C. H., *Sp. s* 9 S R
Higgins. J. B., *Sp. a* 62 W
Hill, F., *Sr. a* 12 S M R
Hill, M. C., *So. s* 93 B
Hill, P. V., *Fr. s* 39 Univ. Pl.
Hilliard, E. H., *Fr. a* 15 Univ. Pl.
Hilliard, 1., *Sr. a* 3 S E B
Hillis, L. B., *g* 29 B S
HILTEBEITEL, A. M., *Fellow*, 6 S M R
Hiltebeitel, M. M., *Jr. a* 5 S M R
Hindman, W. W., *Fr. a* 3 B
Hirsch, W. A., *Fr. a* 18 Vandeventer Av.
Hirt, W. E., *So. a* 11 N W
Hobbie, L. St. J., *Fr. a* 60 Univ. Pl.
HODGE, F. B., *Trustee*, Wilkes Barre, Pa.
Hodgman, B. B., *Jr. s* 10 S M R
Hoe, P. S., Jr., *Sp. a* 27 Mercer St.
Hoes, J. P., *Sr. a* 12 W W
Hoew, W. P., *Sr. a* 8 S E B

Hoff, R. B., *So. a* 22 M D
Holden, J., *So. a* 30 U
Holland, M. B., *Fr. a* 47 Univ. Pl.
Hollenbach, W. F., *Jr. a* 40 S Ed
Holman, V. B., *Sp. a* 36 Wiggins St.
Holt, S. T., *Jr. s* 5 E W
Holzhauer, C. W., *So. a* 30 U
Hoopes, E. L., *So. s* 42 U
Hooven, A. T., *Fr. s* 17 N Ed
Hopkins, H. W., *Jr. a* 25 S Ed
Horn, H. S., *So. s* 39 U
Hornblower, G. S., *So. a* 10 U P
Hornblower, L. W., *So. a* 11 U P
Horner, C., *Fr. a* 162 Nassau St.
Horton, D. S., *Sp. s* 32 B
HOSKINS, J. P., *Ass't Professor*, 22 Bank St.
House, J. H. B., *Jr. a* 2 E B
Houser, B., *Sr. a* 2 W M W
Howard, R. C., *Fr. s* 34 Bank St.
Howell, A. A., *Jr. a* 1 N D
Howell, C., *Jr. a* 7 S R
Howerton, G. M., *g* 35 B S
Hoyt, R. E., *Fr. s* 168 Nassau St.
Hubbard, L. M., Jr., *Fr. s* 33 Vandeventer Av.
HUDSON, C. S., *Ass't*, 156 Nassau St.
Huffer, S. W., *g* 215 H S
Hughes, M. G., *Fr. s* 8 E M W
Hughes, O. B., *Sp. s* 17 S W
Hull, A. S., *Jr. a* 4 N R
Hull, R. A., *Fr. a* 4 N R
Humbird, J. E., *Fr. s* 25 Chambers St.
HUMPHREYS, W., *Professor*, 52 Bayard Lane
Hunt, J. B., *Sr. a* 23 L
HUNT, T. W., *Professor*, 48 Library Pl.
Hurlbut, F., *Jr. a* 1 S M R
HUSS, H. C. O., *Professor*, 47 Univ. Pl.
Hussey, F. B., *Sr. s* 9 M D
Hustead, J. E., *Sp. a* 110 Nassau St.
Huston, H. W., *Jr. a* 1 S R
HUTTON, L., *Lecturer*, Mercer Heights
Hutton, S., *Sr. a* 7 N R
Hyde, J. L., *Sp. a* 40 N Ed
Imbrie, C. K., *Jr. a* 14 E W
Inch, P. L., *Fr. s* 52 Nassau St.
Ireland, J., *Jr. a* 22 B
Irwin, W., *Fr. a* 14 Chambers St.
Isett, W. C., *g* 308 H S
Ives, W. L., *Sr. a* 39 S Ed
Ivins, G. G., *Sr. a* 2 S M R
Jackson, F. W., *So. a* P, U
Jackson, H. W., 2nd, *Sr. s* 172 Nassau St.
JACOBUS, M. W., *Trustee*, Hartford, Conn.
Jagger, A., *So. a* 14 S W
James, J. E., *g* 317 H S
Janeway, F. L. H., *g* Murray-Dodge Hall
Janeway, L. P., *So. a* 4 S E B
Janeway, W. R., *Jr. a* 13 N W
Janvrin, E. R. P., *Fr. a* 35 Univ. Pl.
Jenkins, T. C., *Fr. a* 2 Nassau St.
Jenvey, A. C., *So. s* 2 U P
Jess, J. A., *So. s* 110 Nassau St.
Jessup, W. P., *g* Princeton Inn
JOHNSON, C. W. L., *Instructor*, 156 Nassau St.
Johnson, E. H., *Sr. a* 1 B
Johnson, J. V., *Sp. s* 21 Dickinson St.
Johnson, L. E., *Sr. a* 6 S W
Johnson, S. A., *Sr. s* 4 S R
Johnson, W. B., *g* 213 H S
Johnson, W. F., Jr., *Fr. a* 47 Univ. Pl.
JONES, D. B., *Trustee*, Chicago
Jones, H. S., *Fr. a* 6 W M W
JONES, J. W. L., *Instructor*, 27 William St.
Jones, P. T., *Sp. s* 11 L P
JUDD, C. S., *Fellow*, 14 N D
Julier, H. V., *So. s* 195 Nassau St.
Justis, J. A., *So. a* 138 Nassau St.
Kafer, J. D., *Fr. s* 20 S Ed
Kafer, L. S., *Sr. a* 64 L
Kahler, H. M., *So. a* 3 N R
Kampmann, I. S., *Fr. a* 15 U
Kane, G., Jr., *Fr. a* 16 Alexander St.
Karow, E. G., *Fr. a* 35 Univ. Pl.
KATZENBACH, E. L., *Fellow*, 6 S D
Katzenbach, W. S., *So. a* 60 U
Kauffmann, M. R., *Fr. a* 42 Wiggins St.
Kays, H. T., *Jr. a* 12 W B
Kays, W. T. A., *So. s* 12 W B
Keech, T. D., *Fr. s* 31 William St.

Keeney, C. B., *Jr. a* 16 B
Keith, H. H., *Fr. a* 4 E M W
Keith, J. S., *So. a* 36 N Ed
Keith, S., *Sr. s* 4 E M W
Kellogg, E. H., *Sr. a* 51 L
KELLOGG, O. D., *Fellow*, Berlin
Kelso, W. G., Jr., *Fr. a*
11 Vandeventer Av.
Kenley, P. H., *So. a* 66 Nassau St.
Kennard, S. M., Jr., *Fr. a*
31 Univ. Pl.
Kennedy, D. D., *So. a* 45 U
Kennedy, L. A., *Fr. a* 31 Univ. Pl.
Kent, H. D.. *Sr. a* B, W B
Kerr, D. K., *Fr. s*
12 Vandeventer Av.
Kessler, H. C., Jr., *Fr. s*
34 Vandeventer Av.
Keyes, R. W., *So. s* 11 S E B
Kilby, R. L., *Jr. a* 6 N D
Kilworth, W. W., *g* 16 Chambers St.
Kimball, W. D., *So. s* 67 U
King, A. F., *Fr. s* 19 Univ. Pl
King, R., *Sp. a* 29 U P
Kinsey, A. L., *Sr. s* 12 M D
Kirkpatrick, J. P., *So. s* 10 E B
Kline, R. C., *Sr. s* 24 L
Knox, E. P., *Jr. a* 5 N M R
Koch, S. L., *Sp. a* 3 N R
Koehler, E. J., *Fr. s* 47 Univ. Pl.
KOREN, W., *Instructor*, 11 Bank St.
Kreager, F. S., *g* 28 A S
Krechting, W. E. H., *Sr. a*
4 N M R
Krecker, F. H., *So. a* 11 S M R
LaForge, F. B., *Fr. s*
33 Vandeventer Av.
Laidlaw, R. R., *So. a* 2 Nassau St.
Laidley, P., *Sp. a* 22 Dickinson St.
Lamberton, G. J., *So. s* 8 E B
Lambie, C. A., *Sr. s* 39 Nassau St.
Landsborough, J. R., *g* 67 B S
Lane, C. F., *Sr. a* 12 S D
Langdon, P. C., *Sr. s* 8 W W
Lantz, P. H., *So. a* 9 E M W
Large, E. K., *Sr. s* 26 M D
Larzelere, J. L., *Fr. s* 15 Univ Pl.
Latham, C., Jr., *Sp. s* 1 N M R
Latta, E. D., Jr., *Sr. s* 7 M D
Laughlin, H. H., *2 e* 18 U P
LAUGHLIN, J., JR., *Trustee*,
Pittsburgh
Laughlin, T. C., *g* 10 Dickinson St.
Lawson, J. S., Jr., *So. s* 24 B
Layton, L. W., *Jr. a* 41 B
Leach, H. G., *Jr. a* 20 N W
Leake, R. H., *Fr. a* 31 Univ. Pl.
Leavitt, H. H., Jr., *Fr. a* 20 N Ed
Lee, J. L., *So. a* R, U
Leetch, R. G., *g* 309 H S
Leftwich, V. C., *Jr. a* 15 W W
Leggett, S. M., *Fr. a*
21 Chambers St.
Leibenderfer, R. J., *Sr. a* 1 N Ed
Leigh, E. F., *Jr. s* 2 M D
Lemon, H. Y., *Fr. s* 22 Nassau St.
Levy, L., *Fr. a* 26 S Ed
LEWIS, E. S., *Professor*, 20 Bank St.
Lewis, W. D., *Fr. a* 38 N Ed
Lewisohn, S. A., *So. a* 7 W W
LIBBEY, W., *Professor*,
20 Bayard Lane
Lichtenberger, J. B., *So. a* 22 N Ed
Lichty, B. R., *So. s* 6 B
Liggett, T., Jr., *Fr. s* 30 Mercer St.
Lindenberg, A. J., *Fr. s*
39 Nassau St.
Lindholm, C. F., *So. a* O, U
Lindsey, E. W., *So. a*
16 Vandeventer Av.
Linkletter, G. O., *Sr. s* 24 L
Littel, W. B., *Fr. a*
34 Vandeventer Av.
Little, E. H., *Fr. a* 32 L
Little, F. H., *Jr. a* 13 B
Little, H., *g* Colonial Club
LITTLE, H. S., *Trustee*,
Trenton, N. J.
LITTMANN, E., *Instructor*, 3 S Ed
Lloyd, H., *Fr. a* 15 Univ. Pl.
Lloyd, J., Jr., *Sr. s* 3 S D
Lloyd, J. P., *So. a* T, U
Lobe, J. J. S., *Fr. s* 44 Mercer St.
Loewenstein, J. M., *Jr. s* 10 E W
Long, J. C., *Sp. s* 20 N W
Long, S. M. B., *Fr. a* 3 S R
Longcope, T. M., Jr., *Fr. s* 4 S W
LOOMIS, E. H., *Professor*,
302 Nassau St.
Loucks, E. M., *Jr. a* 95 B
LOVETT, E. O., *Professor*,
73 Prospect Av.
Lovett, E. S., *Jr. s* 31 William St.
Ludlow, F. O., *Sr. s* 11 N D

Luther, E. C., *Sr. s* 15 L
Lyon, C. A., *Fr. a* 6 W M W
Lyon, E. C., Jr., *Sr. a* 1 S R
Lyons, H. C. C., *Fr. s* 14 Park St.
Lynn, E. A., *So. a* 2 Nassau St.
McAfee, J. C., *g* 9 N Ed
McALPIN, C. W., *Secretary*, Univ. Library
McAlpin, D. H., 2d, *Sr. a* 35 U
McAlpin, K. R., *Fr. a* 35 U
McBath, W. E., *g* 310 H S
McCartney, A. J., *g* 39 A S
MacCauley, H., *So. a* 3 N R
McCAY, L. W., *Professor*, 80 Univ. Pl.
McClave, R. P., *Sp. s* 1 W M W
McClave, S. W., Jr., *Sp. s* 1 W M W
McCLENAHAN, H., *Instructor*, 12 Bank St.
McClenahan, J. W., *g* 73 B S
McClenahan, R. P., *Sr. s* 1 E M W
McCLURE, C. F. W., *Professor*, 80 Univ. Pl.
McCollough, B. Z., *g* 405 H S
MacConnell, T., Jr., *Sr. s* 3 W M W
McCOOK, J. J., *Trustee*, New York City
McCord, H., *Sr. s* 4 W M W
McCORMICK, C. H., *Trustee*, Chicago
McCoy, S. D., *Sp. a* 9 S Ed
McCoy, W. M., *So. a* 114 Nassau St.
McCracken, C. D., *Sr. a* 11 E B
McCreary, G. D., Jr., *Fr. s* 36 Univ. Pl.
McCreery, J. B., *g* 44 A S
McCreery, W. H., *Sr. a* 16 S M R
McCrellish, W. H., *Fr. a* 93 B
McDermott, F. P., Jr., *Sr. a* 15 N M R
McDonald, H., *Sr. a* 32 Mercer St.
MacDonald, J. J., *Jr. a* 10 S M R
McDonald, J. O., *Fr. a* 45 Vandeventer Av.
McDowell, S., *g* 17 B S
McElroy, P. I., *Sr. a* 11 N
McELROY, R. M., *Ass't Professor*, 86 Stockton St.
McFarlane, A., *Fr. s* 53 Univ. Pl.
McGee, B. F., *Fr. a* 14 N Ed
McIlvaine, F. S, *So. s* 4 W B
McIlvaine, R. B., *Fr. a* 24 Edwards Pl.
McIntire, C. C., *g* 315 H S
McIntosh, J. O., *Sr. a* 98 B
MacIntyre, W. T., *Jr. a* 31 L
Mackenzie, A., Jr., *Fr. s* 14 Mercer St.
Mackenzie, R., *Sr. a.* 10 N M R
McKelvy, F. G., *So. a* 11 E W
MACKIE, J. K., *Fellow*, 13 N
McKinlay, E. L., *Fr. a* 36 Wiggins St.
McKaig, J. S., *Jr. s* 62 B
McLane, A. H., *Sp. a* 11 S Ed
McLAUGHLAN, W. H., *Ass't*, 91 B
McLaury, F. H., *So. a* 24 N Ed
McLean, H. A., *Fr. s* 1 S W B
MacLeod, F. L., *So. a* 16 Witherspoon St.
MACLOSKIE, G., *Professor*, 239 Nassau St.
McLure, N. R., *So. s* 1 S W
McMillan, A., *Fr. s* 40 Bayard Lane
McMillan, F C., *Fr. s* 40 Bayard Lane
McMILLAN, C., *Professor*, 40 Bayard Lane
MacMurray, J. V., *Sr. a* 36 Wiggins St.
McNamara, R. C., *Jr. a* 19 S W
McPHERSON, S. J., *Trustee*, Lawrenceville, N. J.
McPheeters, T. S., Jr., *Jr. a* 5 U P
McPherson, O. H., *Fr. a* 17 B
McVitty, S. H., *Sr. s* 8 M D
McWilliams, E. C., *g* 23 Edwards Pl.
Madden, F. L., *So. a* 33 U
Maddux, C. V., *Fr. a* 18 N Ed
Magee, E. H., *Fr. a* 24 Edwards Pl.
MAGIE, D., Jr., *Instructor*, 63 L
Magie, J. McC., *So. a* 33 Prospect Av.
MAGIE, W. F., *Professor*, 78 Library Pl.
MAGIE, W. J., *Trustee*, Elizabeth, N. J.
Maier, G. W. M., *g* 38 S Ed
Malcolm, G. H., *Fr. s* 138 Nassau St.
Mallery, O. T., *Sr. a* 6 S W B
Maltman, J. S., Jr., *Jr. s* 9 N D
Man, E. A., *Fr. a* 44 Nassau St.
Mann, P. C., *Fr. a* 21 N Ed
Markarian, H., *g* 31 B S
MARQUAND, A., *Professor*, Guernsey Hall
Marshall, H. D., Jr., *Fr. a* 39 Univ. Pl.

Martin, F. B., *Fr. s* 22 Edwards Pl.
Martin, I. G., *Sr. a* 15 N M R
Mason, E. B., *Sp. a* 134 Nassau St.
Mason, J. D., *Jr. a* 2 M D
Mason, W. L., *Fr. s* 12 Vandeventer Av.
Mathews, C. H., Jr., *Fr. a* 31 Library Pl.
Mathews, J. F., *Sr. a* 5 E B
Matter, J., *Fr. s* 22 Vandeventer Av.
Matteson, J. L., *So. a* 12 N W
Matthews, C. S., *g* 25 B S
Maverick, R. M., *So. s* 79 U
Mayers, J. M., *Fr. a* 34 Vandeventer Av.
Maynard, J., Jr., *Sr. a* 5 N W
Maynard, L. D., *Sr. s* 7 W M W
Meier, A. E., *Sr. a* 64 L
Meier, C. D., *Sr. a* 172 Nassau St.
Meigs, A. I., *Jr. a* 11 L P
Meigs, J. F., *Sr. a* 11 L P
MELLINGER, L. O., *Instructor*, Prospect Av.
Merrick, H. M., Jr., *So. s* 1 S W
Merwin, C. M., *Sr. a* 12 S W
Merwin, J. O., *Jr. a* 12 S W
Messler, B. E., *Jr. a* 12 U
Messler, J. S., *Fr. a* 12 U
Metcalfe, D., *So. s* 10 S R
Mierow, C. C., *Fr. a* 44 Mercer St.
Miles, J. D., *So. s* 96 B
MILLER, A. M., *Fellow*, 43 U
Miller, E. M., *So. s* 15 N W
Miller, E. W., *So. s* 6 B
Miller, F. C., *So. a* E, U
Miller, J. R., *Jr. a* 3 N D
Miller, J. R., Jr., *Fr. a* 36 Univ. Pl.
Miller, P. J. G., *So. a* 11 S M R
Milliken, H. O., *Fr. a* 32 Wiggins St.
Mills, H. L., *So. a* 195 Nassau St.
Mills, L. N., *Fr. a* 168 Nassau St.
Mills, M. F., *Sr. s* 66 L
Milton, H. S., *Fr. a* 16 Chambers St.
Minott, H., *Fr. a* 19 Univ. Pl.
Mitchell, T. W., *g* 59 B S
Mixsell, R. B., *Jr. a* 9 S W B
Moffett, G. M., *So. a* 54 B
Moffitt, G. R., *Jr. a* 5 B
Moffitt, T. R., *Fr. a* 15 Dickinson St.
Monie, C. C., *Fr. a* 15 S Ed
Montgomery, W. J., *Sr. s* 3 S W
Moore, F. S., *Fr. a* 30 N Ed
Moore, F. W., *Fr. s* 192 Nassau St.
Moore, H., *Fr. s* 34 Vandeventer Av.
Moore, L., *Jr. s* 31 L
Moore, P. A., *Sr. a* 9 M D
Moore, P. A., *So. a* 3 W W
Moore, R. B., *Sp. s* 134 Nassau St.
Moore, S. L., *So. a* 10 S R
Moran, E. A., *Sr. s* 31 L
MOREHEAD, J. C., *Fellow*, 7 N Ed
MORGAN, J. S., *Ass't. Librarian*, Stockton St.
Morrell, P. E., *Fr. s* 47 U
Morrill, G. L., *g* 107 H S
Morris, A. S., *Jr. s* 6 W B
MORRIS, E., *Choirmaster*, Philadelphia
Morrison, V. I., *Fr. s* 53 Univ. Pl.
Morrison, W. I., *Sr. a* 62 L
Morrow, E. B., *So. a* 9 N W
Morse, C. K., *Fr. s* 47 Univ. Pl.
Morse, W. O., *Sr. a* 6 S E B
Mosher, V. W., *So. s* 15 U
Mount, H., *Fr. a* 22 S Ed
Mount, R. T., *Sr. a* 3 S E B
Mowry, T. C., *Fr. a* 16 Chambers St.
Muir, J. G., *Sr. s* 42 B
Mullen, F. W., Jr., *Fr. a* 38 N Ed
Mulock, E. McC., *Sr. a* 5 B
Mumford, T. P., *Fr. s* 5 N R
Munger, G. E., *Jr. s* 7 N M R
Munn, H. F., *Fr. a* 2 W M W
Munro, H. H., *Fr. s* 138 Nassau St.
Munson, W. C., *Sr. a* 10 N Ed
Murfree, M. B., *Fr. a* 173 Nassau St.
Murray, L. F., *Sp. a* 12 Vandeventer Av.
Murray, W. R., *g* 110 H S
Muser, R. E., *Sr. s* 12 S W B
Muzzy, H. T., *Sp. s* 9 U
Myers, D. R., *So. a* 24 Chambers St.
NEHER, F., *Ass't Professor*, 95 Mercer St.
Neibel, C. L., *g* 208 A S
Nevin, E. D., *So. s* 4 U
Nevius, G. H., *Jr. a* 13 N W
Newell, W. A., *Jr. a* 81 B
Newman, H. A., *Sp. a* Dodge Hall
Newman, H. E., *So. a* 16 Witherspoon St.
Nickerson, J., Jr., *Fr. s* 168 Nassau St.
Nicoll, C., *Jr. s* 5 U P
Nixon, B., *Fr. s* 19 Univ. Pl.

Nixon, J. B. R., *Fr. a* 19 Univ. Pl.
Noble, H. B., *So. s* 10 S R
Norris, H. A., *g*
Norris, P. C., *Sr. a* 8 N Ed
Ober, G., Jr., *Jr. a* A, B
Odell, E. A., *Jr. a* 2 N R
Ogden, B. K., *Fr. a* 39 Nassau St.
Ogden, M., *Sr. a* 3 L P
Ogle, A. McC., Jr., *So. s* 136 Nassau St.
Olds, N. E., *Fr. s* 12 Park St.
Olyphant, M., *Fr. a* 35 Univ. Pl.
OMWAKE, H. R., *Fellow*, Beirut
O'Neill, J. S., *Sp. s* 12 B
ORMOND, A. T., *Professor*, 276 Nassau St.
ORRIS, S. S., *Professor*, 66 Nassau St.
ORTMANN, A. E., *Assistant*, 8 Maple St.
Osborn, A. P., *Fr. a* 31 Univ. Pl.
Otis, A. H., *Fr. s* 39 Nassau St.
Otis, H. G., *Jr. s* 8 N R
Ottenheimer, A. M., *So. a* 134 Nassau St.
Outhwaite, C. P., *Sr. a* 2 N W
PACKARD, W. A., *Professor*, College Pl.
Paist, B. F., Jr., *g* 201 H S
Palmer, E., *Jr. s* 5 U P
Pardoe, W. D., *Fr. s* 28 Chambers St.
Parrott, R. T., *Sr. a* 34 B
PARROTT, T. M., *Assist. Professor*, 104 Mercer St.
Parson, F. S., *Sr. a* 10 S D
Parsons, A. R., *Fr. a* 15 L P
Parry, J. McC., *Jr. a* 41 B
Pate, W. S., *Jr. a* 8 E M W
PATTON, F. L., *President*, Prospect
PATTON, G. S., *Assist. Professor*, Prospect
Patton, P. R., *Fr. s* Prospect
Paull, A. S., *Sp. s* 15 U
Paull, G., *Jr. s* 3 S W B
PAXTON, W. M., *Trustee*, Princeton
Payne, E. D., *Fr. s* 32 Wiggins St.
Peabody, G. R., *Fr. a* 31 Univ. Pl.
Peake, H. D., *So. a* 13 N D
Pearl, W. E., *Fr. a* 36 Univ. Pl.
Pearson, F. G., *Jr. s* 2 B
Peckham, F. E., *So. s* 84 B
Pelham, A., *Fr. s* 138 Nassau St.
Pell, H. W., *Sr. a* 10 S D
Pell, R. V., *So. a* 195 Nassau St.
Perry, A. C., *Fr. s* 15 Univ. Pl.
Perry, J. M., *Sp. s* 16 M D
Peters, E. H., *So. a* 5 S W B
Pettit, R., *Fr. s* 19 Univ. Pl.
Peyser, H. F., *Sr. s* 14 W W
Pfeiffer, D. B., *Sr. a* 21 L
Pfuhl, P. W., *So. a* 11 N M R
Phelan, J., *Fr. a* 42 Wiggins St.
Phelps, W. G., *g* 13 L
PHILLIPS, A. H., *Assist. Professor*, Hodge Ave.
Phillips. A. S., *Sp. s* 43 L
Phillips, A. S., *Fr. a* 26 Edwards Pl.
Phillips, G. I., *So. a* 44 L
Phillips, W., *Sr. a* 44 L
Pickens, O., *Jr. s* 33 L
Pierson, E. L., *Jr. a* 14 B
Pilgram, A. J., *Sr. a* 7 N W
Pinckney, T., Jr., *Fr. a* 36 Univ. Pl.
Piper, E. B., *Sr. s* 24 B
Pitcairn, N. B., *Jr. s* 6 E M W
Pitkin, E. W., *Jr. s* 3 W B
Plumb, L. J., *So. s* 50 U
Plunkett, T. F., *Jr. a* 92 B
Poe, G. H., *Sr. a* 5 W M W
Pogue, H., Jr., *So.* 18 S W
Pogue, S. F., *So. a* 40 Nassau St.
Poindexter, U. H., *Fr. a* 22 Vandeventer Av.
Pollard, W. H., *Fr. s* 39 Nassau St.
Pomeroy, E. C., *Fr. s* 53 Univ. Pl.
Pond, D. S., *Fr. a* 39 Nassau St.
Poole, A., Jr., *So. a* 10 L P
Poole, E. C., *Sr. a* 6 S W B
POOR, J. M., *Fellow*, Prospect Av.
Porter, W. H., Jr., *Jr. a* 74 B
Post, H. K., *Sr. a* F, W B
Pratt, A. D., *So. a* 42 U
Pratt, A. D. B., *So. a* 7 L P
PRENTICE, W. K., *Assist. Professor*, 11 S W B
Prentiss, S. G., *Fr. s* 15 Univ. Pl
Preston, C. W., Jr., *Fr. s* 138 Nassau St.
Preston, J. F., *g* 35 B S
Preston, W. F., *So. s* 112 Nassau St.
Preusse, J. W., *So. s* 9 U
Prewitt, R. P., *Sp. s* 92 B
Price, B. M., *So. a* 2 Nassau St.

PRIEST, G. M., *Instructor*, 5 S E B
Priest, G. T., *Sr. a* 10 W M W
PRIME, W. C., *Professor*, New York City
Purcell, J. W., *g* 18 1-2 Charlton St.
Purnell, L. B., *So. s* 1 W M W
Purvis, G. H., *Sr. a* 9 W M W
PYNE, M. T., *Trustee*, Princeton
Pyne, P. R., 2nd, *So. a* 2 U P
Ralph, P. J., *Sp. s* 3 W B
Randall, E. B., *So. a* 4 M D
Randell, A. L., *Sp. a* 199 Nassau St.
Ranken, D. D., *So. s* 18 S W
RANKIN, W. M., *Professor*, 14 Nassau St.
Rath, C. E., *g* 113 H S
RAYMOND, G. L., *Professor*, 83 Bayard Lane
Raymond, H. J., *Fr. s* 47 Univ. Pl.
Rea, G. B., *Sp. s* 7 S D
Rea, J. C., *So. s* 15 S W
Ream, E. K., *Fr. a* 53 Univ. Pl.
Ream, R. C., *So. a* 29 U P
Rearick, R. E., *Jr. a* 5 E W
Reed, C. F., *Sr. a* 30 S Ed
Reed, C. H., *So. a* 76 U
Reed, J. H., Jr., *So. s* I, U
Reed, R. B., *Jr. a* 10 S W
Reed, R. R., *So. a* 76 U
Reed, S. C., *Sr. a* 18 U P
REED, W. M., *Ass't Professor*, 14 Prospect Av.
Reeve, A. B., *Jr. a* 7 S R
Reeves, C. B., *Jr. a* 9 B
Reimers, R. D., *Fr. s* 44 Mercer St.
Reinhart, F. O., *Fr. a* 19 Univ. Pl.
Rendall, H. J., *Sp. a* 109 H S
Rendall, H. W., *g* 109 H S
Rentschler, H. C., *Jr. a* 15 N Ed
Rentschler, R. P., *Fr. a* 39 Nassau St.
Reynolds, A. H., *Sr. a* 9 W M W
Reynolds, A. W., *Sr. a* 1 N D
Reynolds, H. B., *So. s* 138 Nassau St.
Reynolds, H. C., *So. s* 23 M D
Reynolds, O. C., *So. a* 16 Vandeventer Av.
Rhodes, C. B., *Fr. s* 19 Univ. Pl.
Richards, C. R., *Fr. s* 21 Chambers St.
Richardson, C. S., Jr., *Jr. a* 9 Park St.
Richardson, E., *Fr. a* 13 W W
RICHARDSON, E. C., *Librarian*, 220 Mercer St.
Richardson, R., *Sq. a* A, U
Richardson, W. McL., *Fr. a* 173 Nassau St.
Ridgway, C. D., Jr., *Fr. s* 7 B
RIDGWAY, R. F. L., *Instructor*, 11 B
Riegel, G. F., *Fr. a* 6 B
Riggs, E. W., *So. a* Dodge Hall
Riker, T. W., *Sp. a* 11 Park St.
Riley, A. W., *So. a* 42 U
Rinehart, E. R., *So. a* 1 N M R
Riston, P. A., *So. s* M, U
ROBBINS, E. Y., *Ass't. Professor*, 58 Univ. Pl.
Robert, C. D., *So. a* 60 U
Roberts, H. B., *g* 34 B S
Roberts, I. W., *Jr. s* 11 S D
Robinson, A. L., *Sr. a* 36 L
Robinson, A. P., *Jr. s* 7 N M R
ROBINSON, C. A., *Instructor*, 76 Alexander St.
Robinson, H. N., *g* 40 A S
Robinson, W. A., Jr., *Sr. a* 11 L
Roche, A., Jr., *Jr. a* 71 B
ROCKWOOD, C. G., Jr., *Professor*, 34 Bayard Lane
Rogers, D. M., *Jr. a* 16 S W
Rogers, L. H., *So. a* 11 N W
Roome, C. S., *Sp. s* 52 Nassau St.
Roosevelt, N. G., *So. s* 13 S W
Root, S. W., *So. a* 8 Murray Pl.
Root, W. T., *Sr. a* 19 W W
Roper, J. G., *Fr. a* 20 S W
Roper, W. W., *Sr. a* 20 S W
Rose, D., *Jr. a* 3 W W
Ross, L. H., *So. s* 6 E W
Ross, R. T., *Jr. s* 3 W M W
Rouse, J. G., *Fr. s* 32 Wiggins St.
Rowe, B., *So. s* 3 S M R
Rowe, E. C., *Sr. s* 41 L
Rowe, W. L., *Sr. s* 3 W M W
Roys, W. B., *Jr. a* 22 B
Rue, J. D., *Fr. s* 8 Dickinson St.
Rupley, G. A., *Sr. a* 7 N R
Russell, A., *So. a* 79 Alexander St.
Russell, G. J., *g* 32 A S
Russell, G. M., *g* 79 Alexander St.
Russell, S. B., *g* Ireland
Rutherfoord, A. H., *Fr. a* 2 Nassau St.
Rutherford, T. A., *Jr. s* 4 S M R
Rutter, J. W., *Fr. a* 36 Univ. Pl.

Ryan, F. K., *Fr. a* 11 Vandeventer Av.
Sabine, S. S., *So. a* 9 W B
St. John, F. B., *Fr. s* 40 Wiggins St.
Saks, H. A., *Jr. s* 9 S D
Salsbury, W. B., *Sr. s* 19 M D
Sammis, J. F., *Sr. a* 20 W W
Sammis, T. H., *So. a* C, U
Sanderson, R., *Fr. s* 15 Vandeventer Av.
Sanford, E. S., Jr., *Fr. a* 16 B
Satterwhite, B. O., *So. a* 2 Nassau St.
Savage, H. H., *So. a* 134 Nassau St.
Savage, H. K., *Sr. s* 94 Mercer St.
Savage, J. K., *Sr. a* 94 Mercer St.
Sayen, W. H., Jr., *Fr. s* 21 Dickinson St.
Sayles, H. B., *Fr. s* 39 Nassau St.
Scarborough, J. I., *So. a* 10 W B
Schaeffer, J. H., *Sr. a* 2 N R
Schauffler, E. W., *Sr. a* 23 L
Schauffler, R. H., *Sr. a* 20 M D
Schellenberg, F. F., *Sr. s* 13 E W
Schenck, N. C., *Jr. a* 42 L
Schermerhorn, R. P., *Fr. s* Trenton, N. J.
Schmidt, M., *Sr. a* 18 Vandeventer Av.
Schmitz, W. L., *Fr. s* 11 Vandeventer Av.
Schoonmaker, L. M., *So. s* 6 N M R
Schultz, A. B., *Jr. a* 3 N D
Schultz, W. S., *So. a* 134 Nassau St.
Schusler, G. W., *Sr. s* 1 S E B
Schweikert, H. C., *Jr. a* 2 N Ed
Scott, A. P., *So. a* 17 E W
Scott, C. E., *g* 411 H S
Scott, G., *Jr. a* 62 B
Scott, G. T., *Jr. a* 52 L
Scott, G. W., *Sr. a* 1 E B
Scott, H., *Jr. s* 73 B
Scott, T. McG., *So. s* 73 B
SCOTT, W. B., *Professor*, 56 Bayard Lane
SCOTT, W. E. D., *Curator*, 310 Nassau St.
Scribner, C. E., *Fr. s* 14 Chambers St.
Scudder, E. W., *Jr. a* 7 S E B
Sealy, G., Jr., *Sr. s* 41 L
Searight, H. B., *g* Seminary
Seely, F., *So. a* 2 Nassau St.
Sellers, W. F., *Jr. a* 7 E M W
Semmes, J. E., Jr., *Sr. a* 2 S D
Semple, J. L., *Fr. a* 28 S Ed
Shafer, G. C., *Jr. a* 4 N R
Shaffer, H. E., *g* 36 Nassau St.
Sharp, T. R., *Fr. s* 33 Edwards Pl.
Shaw, W. A., *So. a* N, U
SHAW, W. J., *Demonstrator*, 27 William St.
Shearer, C. W., *So. a* R, U
Sheasley, J., *So. s* 61 L
Sheffield, R. R., *Sr. a* 4 S R
Sheldon, B., *So. a* 14 U
Shepard, F. B., *Fr. a* 31 Univ. Pl.
Shepard, F. N., *Sr. a* 15 U P
Sheppard, E. M., *So. s* 67 U
SHIELDS, C. W., *Professor*, Morven
Shirk, J. H., *Fr. s* 44 Vandeventer Av.
Shoemaker, J. C., *So. a* 134 Nassau St.
Short, H. H., *Fr. a* 4 S D
Sidebotham, C. W., *g* 22 A S
SILL, H. F., *Instructor*, 15 Chambers St.
Sill, W. G., *So. a* 88 Nassau St.
Silsbee, R., *Sp. s* 1 W W
SILVESTER, C. F., *Assistant*, 13 N
Simmons, F. E., *g* 24 A S
Simpson, C. R., *Fr. s* 173 Nassau St.
Simpson, H. D., *Sr. a* 17 S M R
Sims, J. G., Jr., *Sr. a* 36 Wiggins St.
Sincerbeaux, C. S., *Sr. a* 8 S R
Sinclair, W., *So. a* 38 Washington St.
Sinclair, W. M., *So. s* 73 U
Singer, R. W., *Jr. a* 83 Prospect Av.
Sipe, W. A., Jr., *Jr. a* 5 N D
Slaughter, R. B., *Fr. a* 49 Nassau St.
Slee, J. F., *Jr. a* 61 L
Sloan, R. R., *Fr. s* 14 Dickinson St.
Sloane, F. J., *So. a* 9 S W
Smith, A. A., *So. a* 70 U
Smith, A. C., Jr., *Jr. a* 5 M D
Smith, C. C., *Sr. a* 40 U
Smith, C. C., *Jr. a* 5 W W
Smith, C. J., *g* 14 Chambers St.
Smith, F., *Jr. a* 1 S Ed
Smith, F. C., *So. s* 3 S M R
Smith, H. C., *So. a* 29 U P
SMITH, H. S. S., *Professor*, 4 E W
Smith, J. R., *Fr. s* 21 Chambers St.

Smith, K. G., *So. s* 14 N W
Snedeker, L. N., *Sr. a* 16 L
Sonn, H. H., *So. s* 18 Vandeventer Av.
Sousa, J. P., Jr., *Fr. s* 6 S R
Spangler, J. W., *Fr. a* 26 N Ed
Spaulding, F. D., *Sp. s* 19 N W
Spear, J., Jr., *Sr. s* 8 S W B
Speer, A., Jr., *s* 72 B
Spencer, F. N., *Fr. s* 15 Univ. Pl.
Spurgin, H. F., *So. s* T, U
Stafford, H. I. N., *Fr. a* 66 William St.
Stambaugh, H. F., *Sr. a* 1 N W
Stark, G. S., *g* 301 H S
Stead, A. H., *So. s* 25 Chambers St.
Steele, J. N., Jr., *So. a* 110 Nassau St.
Steen, J. E., *Jr. a* 3 S W B
Steinbach, J., Jr., *So. a* 11 U
Steinmeyer, C. S., *Sp. s* 110 Nassau St.
Steinmeyer, W. A., *Sr. s* 7 U
Steinwender, W. J., *Sr. s* 1 L P
Stephenson, C. McC., *Jr. s* 23 M D
Sterrett, C. E., *Jr. s* 64 B
Stevens, C. G., *So. s* 82 B
Stevens, L. F., *So. a* 136 Nassau St.
Stevens, R. D., *So. a* 32 S Ed
Stevens, W. L., *Fr. a* 24 U P
Stevens, W. M., *So. a* 136 Nassau St.
Stevenson, T. K., *Fr. s* 20 Library Pl.
Stevenson, W. W., *Fr. s* 34 Vandeventer Av.
STEWART, G. B., *Trustee*, Auburn, N. Y.
Stewart, G. P., *So. a* 4 W W
Stewart, H. B., *Jr. a* 9 N W
STEWART, J. A., *Trustee*, New York City
Stewart, J. A., 3rd, *Fr. a* 35 Univ. Pl.
Stewart, V., *Fr. a* 24 Chambers St.
Steyn, H. A., *Fr. s* 14 Park St.
Stickney, H., *Fr. s* 15 Univ. Pl.
Stites, J. H., *Fr. a* 138 Nassau St.
Stobo, A., *So. s* 81 B
Stockly, G., *So. s* 2 S E B
Stokes, R. J., *So. s* 47 U
Stone, L. K., Jr., *Fr. a* 15 Univ. Pl.
Stone, W. R., *Sp. a* 2 Nassau St.
Stoutenburgh, R. B., *Fr. a* 34 Vandeventer Av.
Stowell, W. A., *So. a* 46 U
Strater, H. A., *Jr. s* 2 W B
Stratton, H. M., *Fr. a* 2 E M W
Stratton, P., *Jr., a* 2 E M W
Streubel, C. E., *Sr. a* 2 S M R
Stromberg, C. M., *Fr. a* 53 Univ. Pl.
Strong, A. M., *So. a* P, U
Stryker, S. S., Jr., *Sr. a* 68 L
Stuart, J., *Jr. a* 6 W W
Studdiford, D. S., *Sr. a* 12 W W
Sturdevant, E. W., Jr., *So. a* 7 E B
Stutesman, J. H., *Fr. a* 15 Univ. Pl.
Suderley, C. P., *Sr. s* 6 N R
Sullenberger, L., *Jr. s* 6 E M W
Sutton, C. K., *Fr. a* 73 Stockton St.
Swain, F., *Sr. a* 4 N M R
Swan, H., *Fr. s* 32 Wiggins St.
Swann, C. I., *So. s* 88 Nassau St.
Taggart, A. L., *So. s* 136 Nassau St.
Talley, W. L., *Jr. a* 11 W B
Tarbell, S., *Fr. s* 21 Chambers St.
Taylor, G. H., *Sr. a* 8 W M W
Taylor, M. S., *Jr. a* 11 W B
Teall, E. N., *Sr. a* 15 S M R
Templeton, J. S., *Jr. s* 10 N D
Terry, J. L., *Fr. a* 16 Chambers St.
Thacher, J. B., 2d., *So. a* 11 S E B
Thacher, T. O., *Fr. a* 36 Univ. Pl.
Thomas, J. R., *g* 209 H S
Thomas, T. L., *Jr. a* 18 N W
Thompson, C. D., *Fr. a* 47 Univ. Pl.
Thompson, D. A., *g* 37 A S
THOMPSON, H. D., *Professor*, 80 Univ. Pl.
THOMPSON, J. M., *Curator of Grounds and Buildings*, Univ. Offices
Thompson, M. D., *Sr. a* 1 E M W
Thurber, E. G., *Fr. s* 12 Park St.
Tiedemann, R, E., *Jr. s* 8 W B
Tillinghast, P., *Jr. s* 43 B
Tittmann, C. T., *Fr. s* 36 Wiggins St.
Tobey, E. D., *Fr. s* 162 Nassau St.
Todd, W. B., Jr., *Jr. a* 7 U P
Tompkins, W. K., *Jr. a* 15 N Ed
TOPLEY, J. W., *Proctor*, 32 Wiggins St.
Topping, W. H., *g* 65 B S
Towne, J. D., *Fr. s* 39 Univ. Pl.
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Tweedy, L. L., *Fr. s* 32 Wiggins St.
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Watres, L. H., *So. a* 10 W W
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Weber, K. C., *Sp. a* 1 M D
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